PERIODICAL

D PUB LIBY-PERIOD DIV
5201 WOODWARD AVE
DETROIT 2 MICH
1250 25/32: D

PUBLIC LIBRARY
APR 21 1949
DETROIT

BUY U.S. SAVINGS BONDS

WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Shirt-Sleeve Work for Secretary of Agriculture Brannan (right above) and Undersecretary Al Loveland, of Iowa. Brannan and Loveland have been working for months with a team of USDA men to try to pull together ideas of congressmen, farm organization leaders and economists into a workable farm program. For their recommendations on ways to keep up your farm income, turn to page 26.

You May Get Break On Taxes . . Page 5

Will You Vote Corn Quotas? . . Page 8

What Hog Price Next Fall? . . . . Page 30

Fabrics For Spring Sewing . . . . . Page 44

APRIL 16, 1949

IOWA'S LEADING FARM NEWSPAPER

Dec is Apr Dec Dec Dec Dec

If your tractor tires slip— get the new Super-Sure-Grip

—it goes where other tires won't!

On those tractor jobs where tire slippage is your big problem, try Goodyear's amazing new SUPER-SURE-GRIP. It keeps tractors working where they couldn't work before—*yet doesn't cost you a penny more!*

Reason: this premium-performance tractor tire has all the proved superiorities of o-p-e-n c-e-n-t-e-r design PLUS deeper bite, longer wear and far greater traction.

Look at its tread and you see lots more rubber in the lugs—which means lots more rubber *in the ground*. Bigger, broader, longer, *high-shoulder* o-p-e-n c-e-n-t-e-r lugs that grip like a gear wheel—providing super-long wear and "the greatest pull on earth!"

That's why this great SUPER-SURE-GRIP outpulled other tires in hundreds of field tests—got tractors through slick goin where other tires stalled!

And that's why it will save you days o your tougher tractor jobs—will keep you tractor working where it couldn't work b fore. So get these new Goodyears as replac ments for worn tires, and specify them o your new tractor. They cost no more but la far longer—*and go where other tires won*

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

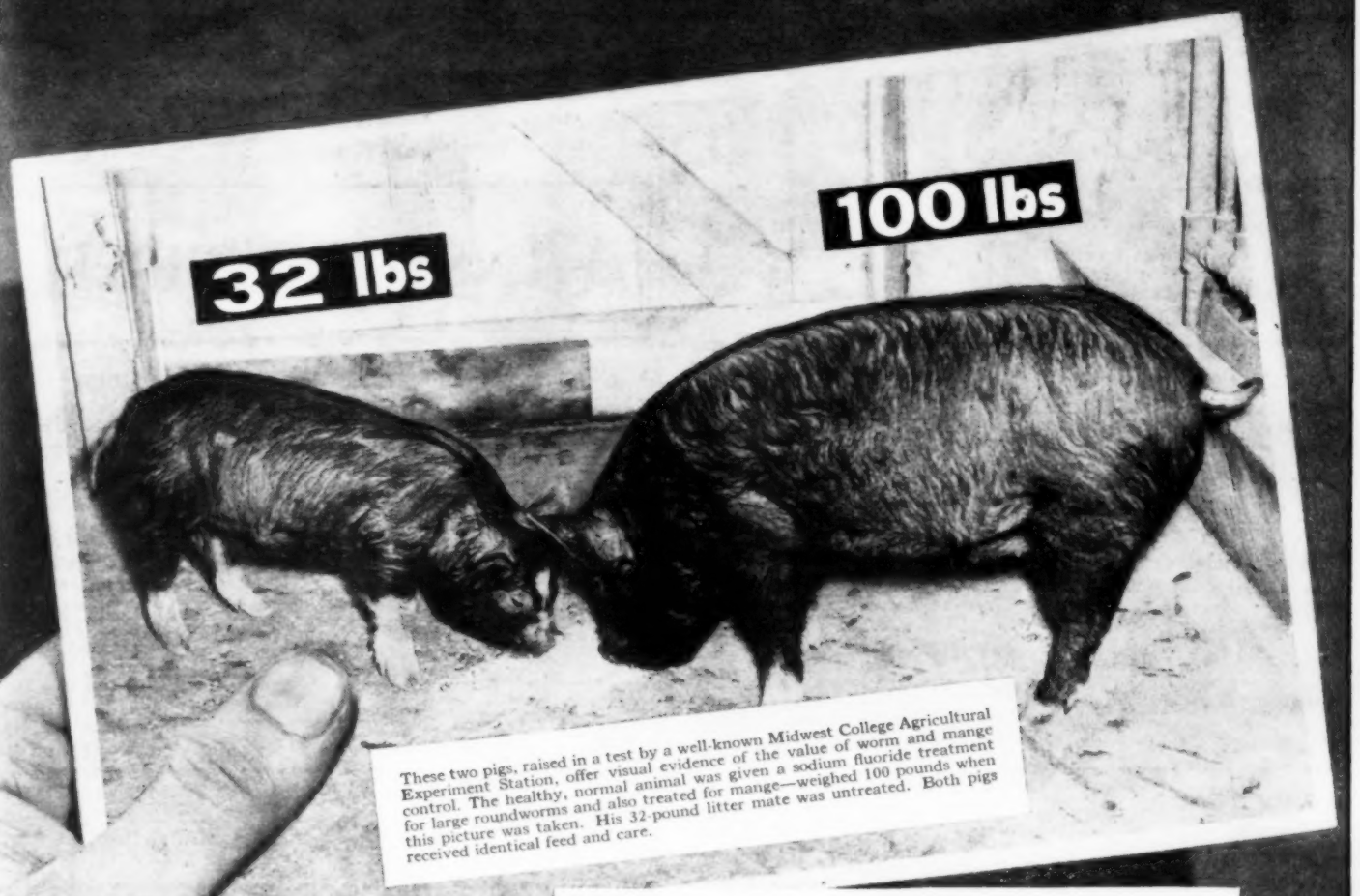
GOODYEAR

Super-Sure-Grip Tractor Tires

Super-Sure-Grip—T.M. The Goodyear Tire & Rubber Co.

...same age...same litter...same feed

WHAT MADE THE DIFFERENCE?



These two pigs, raised in a test by a well-known Midwest College Agricultural Experiment Station, offer visual evidence of the value of worm and mange control. The healthy, normal animal was given a sodium fluoride treatment for large roundworms and also treated for mange—weighed 100 pounds when this picture was taken. His 32-pound litter mate was untreated. Both pigs received identical feed and care.

68 POUNDS OF PORK STOLEN BY UNSEEN THIEVES

You can see above how unseen thieves stole 68 pounds of pork. By far the worst pork thieves are poisonous large roundworms. You can rid your pigs of these thrift- and profit-robbing parasites by feeding them safe, gentle, inexpensive MoorMan's Easy-Way Worm Expeller.* This is the expeller containing the sensational combination of ingredients that has been proved in the worming of 28,000,000 pigs.

Easy-Way is a complete, factory-mixed, ready-to-feed ration that contains: (1) worm-killing sodium fluoride, the amazing ingredient recommended by U.S.D.A. scientists as the most effective large roundworm expeller ever discovered, (2) a gentle laxative that aids the expelling action, (3) blood-building minerals that help repair worm damage, and (4) a combination of protein and carbohydrate feeds that provide complete, 3-day rations. No other method is safer or more effective.

For farmers who want to mix their own sodium fluoride worm-killing ration, we recommend MoorMan's E-Z-Ex.* E-Z-Ex contains sodium fluoride, a laxative and minerals, just like Easy-Way, but no other feed. E-Z-Ex is to be mixed with the regular rations of pigs and hogs. You can treat your 50-pound pigs with *E-Z-Ex for as little as 8 cents each!*

Ask your MoorMan Man about these two safe, easy-to-feed, effective, worm-expelling methods that feed out large roundworms —MoorMan's Easy-Way, or MoorMan's E-Z-Ex; or write Moorman Mfg. Co., Dept. S4A, Quincy, Ill.

**Easy-Way and E-Z-Ex Worm Expellers are made under U.S. Patent No. 2027967.*

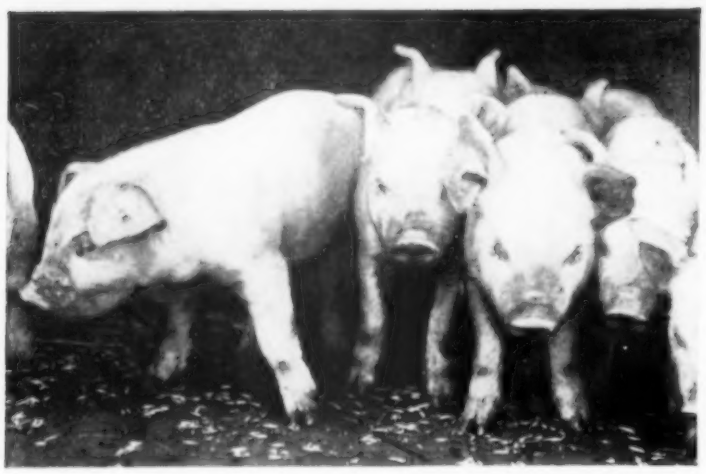
MoorMan's

Since 1885

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED,

but cannot produce on the farm

Follow-Through Is Important Too . . .



BY WEANING TIME you have a sizable investment tied up in your pigs. How much you realize on that investment depends largely on how you feed your pigs from now on. If you "follow through" with sound management practices and a balanced ration you stand to make more money at a lower over-all cost.

WITH FULL CRIBS and spring weather coming on there is a great temptation to put pigs on pasture and corn alone. But, that is too expensive. Your pigs won't gain as fast either. For faster, cheaper gains, self feed a BALANCED SUPPLEMENT with your corn.

ACTUAL TESTS have shown that pigs get to market as much as 60 days earlier on one-third less feed when a complete balanced ration is fed. By feeding a good BALANCED SUPPLEMENT with home grown grains you can be sure of getting a balanced ration.

THESE HOGS are 4½ months old. They weigh 200 pounds and have been consistently fed a balanced supplement with corn since weaning. It has taken about 6 bushels of corn and 50 pounds of supplement per 100 pounds of gain. Without a balanced supplement it would have taken twice as much corn per 100 pounds of gain and, it is estimated, 60 days longer to reach the same weight.

Evidence like this is convincing more and more farmers of the value of "follow through feeding." A good Balanced Supplement consistently fed with home grown grains will do the job. Your feed dealer can help you set up a profitable follow-through feeding program. See him on your next trip to town.

FEED INSTITUTE INC.

MEMBER FEEDING DATA FEED INSTITUTE

Buy with Confidence from a Feed Institute Member

Mules Are News these days. So the cameraman stopped to shoot this team pulling a manure spreader for Glen Soper, Adair county, Iowa. Tractors do almost all the chores these days, but sometimes a horse (or mule) lover holds on to a good team.

INSIDE STUFF

A LATE SPRING piles up the work, brings sore muscles, less sleep to farmers. But crops sometimes do just as well.

▲ ▲

BACK IN 1942, central Iowa had a killing frost on May 16. But the corn crop still made nearly 600 million bushels that year.

▲ ▲

JUST THE SAME, folks like better the kind of a season when oats are all in by the first week in April and the corn ground ready for planting by early May.

▲ ▲

EVER HAD undulant fever? Then you probably pasteurize the milk so the rest of the family won't get the disease.

▲ ▲

PASTEURIZING milk is quite a chore, even with modern, new equipment. But a doctor who specializes in brucellosis in humans tells me there is no such thing as a "safe" herd.

▲ ▲

HE CLAIMS that even a clean herd may go wrong. And befor you find out, everybody who drinks the milk has had a chance to get the disease.

▲ ▲

IN A RECENT naval war game, a carrier was sunk twice. In theory, of course. A plane dropped a flare that was supposed to be an atomic bomb. A submarine got in position to blast the carrier with torpedoes.

▲ ▲

THE JUDGES — good navy men—gritted their teeth and counted the carrier out twice. The moral may be: Don't spend too much money on carriers or super-carriers.

▲ ▲

HOW LOW would corn have to go to secure a two-thirds vote for marketing quotas among corn growers? To answer that question, says a friend, you'd have to know the price of hogs, too.

WITH HIGH HOG prices and low corn prices, some men who buy corn and feed hogs might vote against quotas. If hog prices were down, too, these folks might vote for quotas.

▲ ▲

HOW MANY FOLKS have trouble figuring out parity? Now we have the old parity—which runs thru 1949—and the new—which starts in 1950.

▲ ▲

GET YOUR PENCIL. This is old parity for corn: Corn averaged 64.2 cents a bushel back in 1909-14. But the cost of things farmers buy now is 245 per cent of costs back in 1909-14.

▲ ▲

SO, TO FIND OUT what corn will have to bring to buy as much stuff as it bought in 1909-14, multiply 64.2 cents by 245 per cent. That gives you $1.57. See if it doesn't.

▲ ▲

NOW NEW PARITY is different. Same idea, but different figures. You start with the average of the last 10 years.

▲ ▲

SUPPOSE that average for corn is 95 cents. Divide that by 168, which is the average of the index of prices received for all farm products in the same 10 years.

▲ ▲

NOW MULTIPLY by 245 per cent (the same 245 as above in old parity). You get new parity at $1.39.

▲ ▲

ALL THIS MEANS is that the new parity uses the last 10 years as a basis for the calculation instead of a five-year period back before World War I.

▲ ▲

PRACTICAL point to remember is that if the new parity were working now, corn parity would be 18 cents lower than it is now and hog parity would be 42 cents higher.

DONALD R. MURPHY.

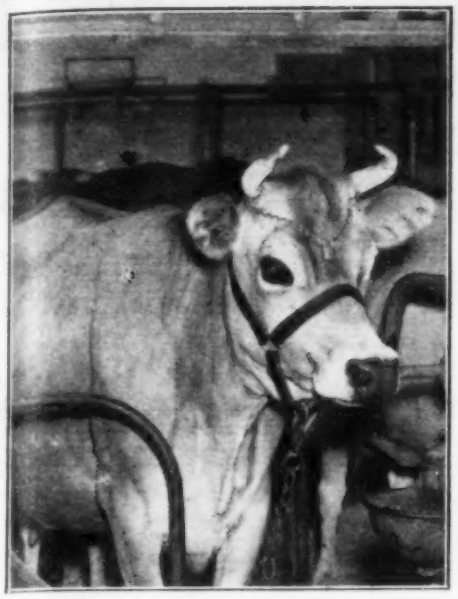
WALLACES' FARMER AND IOWA HOMESTEAD

(Volume 74—Number 8)

Dante M. Pierce, Publisher. Published first and third Saturdays of each month, at 1912 Grand Ave., Des Moines, Iowa. Subscription price, postpaid, $1 for two years. Canadian and foreign countries, $1.25 for one year.

Editors: Donald R. Murphy, Homer Hush, Merrill C. Gregory, Wallace D. Inman, Leon E. Thompson, Cyril L. Moffitt, Wendell S. Clampitt, Zoe R. Murphy, Home Department; Earl F. Wisdom, Legal Editor.

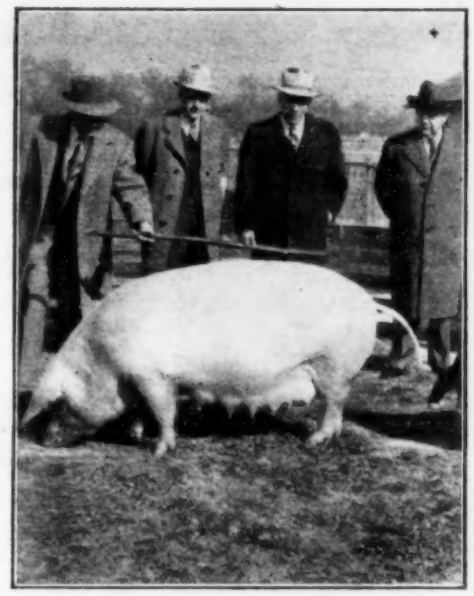
Copyrighted, 1949, by the James M. Pierce Corporation. Entered as second-class matter, Oct. 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.



The Court Says

A Cow Is Unit In
MILK FACTORY

A Sow Is Unit In
PORK FACTORY



That Means Tax Saving On Hog, Cow Sales

LIVESTOCK farmers get a break on income taxes. Sows and cows, says the U. S. Circuit Court, at St. Louis, are machines. So, when they are sold, only half the profits are taxable.

This may mean $50 to $150 tax saving per year for just the ordinary 15-sow and 10-cow farmer. In some cases, it will mean much more.

If the court decision is sustained, you can file claims for overpayment of taxes for three years back. Ordinary claims might be several hundred dollars.

This is a victory for the farmer. And the Service Bureau of Wallaces' Farmer and Iowa Homestead helped to bring it about.

During nearly all of 1948, Associate Editor Homer Hush was carrying on an argument with the St. Paul office of the Internal Revenue Bureau. He was pleading for tax justice for farmers on the sale of breeding stock.

"The cow is a unit in a factory," Hush said in a letter, November 12. "Sale of cows should be on exactly the same basis as the sale of a worn-out Linotype machine by a publisher."

Now the court decision backs up the stand of Wallaces' Farmer and Iowa Homestead. Worn-out cows, and sows that raised pigs for you this spring, come under the capital assets rule. That means the profit from their sale is cut in two before being put on your income tax return.

Here is what the court said:

"Nothing in the language of the section justifies the inference that a farmer should be denied the right to treat the profits from sales of such livestock (cows and brood sows), when they are no longer profitable or fit for use in the farmer's business, as productive of capital gains and not of ordinary income."

In ordinary language, this means that money received from the sale of cows or brood sows held over six months is reported on Schedule D, and 50 per cent of the profit is transferred to Form 1040.

The rules about offsetting with other capital losses must be observed, however.

While Wallaces' Farmer and Iowa Homestead was bombarding the income tax officials with letters pleading the justice of the farmers' cause, one farmer and his lawyer took the matter to court.

R. W. Albright, who has 18 or 20 milk cows and 10 sows on his farm in Goodhue county, Minnesota, reported his sow and cow sales as capital assets.

The income tax collector demanded payment on these receipts as ordinary income. Albright paid, but started suit against the government for recovery.

Allan E. Finseth, of Kenyon, Minn., was Albright's attorney. The case was won in the circuit court at St. Louis after having lost in the district court at St. Paul.

"Will the decision stick?" We asked that question of Finseth.

"They have 90 days, or until June 10, to appeal the decision to the United States supreme court. The court could refuse to hear it," Finseth said. But he wouldn't predict the future action of the government or the courts.

What will be the effect of this decision on farmers? And how should farmers proceed now?

Let's figure this out for a farmer who keeps 20 milk cows and sells four each year, which are replaced with calves he raises. We'll say this farmer also keeps 15 gilts to raise pigs, and sells them in August after raising one litter each.

The four milk cows might bring $600 as canners or cutters. The sows might bring $750. The total would be $1,350.

Instead of entering this $1,350 with other receipts, the farmer would report the sales on Schedule D and put $675 on Form 1040.

The saving would depend on the tax bracket the farmer was in. But if the farmer's net was $4,500 for 1948, and he was married and had three exemptions, the tax under the old rule would be $377.

Now, if you take off the $675 saving thru the capital assets treatment of the cow and sow money, the net income would be $3,825. The tax table shows the tax to be $273.

The saving in this case would be $104 for one year. And the farmer can go back and correct his income tax for 1946 and 1947 as well as for 1948. The saving will vary widely. But the above example shows how it is figured. Hog farmers get the biggest break.

In this example, the farmer raised the cows and reported on the cash basis. It would be different if the cows were bought and for farmers who report on the accrual basis. But there's always a saving.

When and how should a farmer file amended returns and ask for refund of the tax paid on breeding stock?

The law says a tax-payer can file claim for refund at any time within three years of the due date of the return or the filing date, whichever is later.

This means that between now and next March 15 you can file claims for refunds on tax reports filed for 1946, 1947 and 1948. You can't go back of that under the statute of limitations.

You can file your claim now. By all means file claims for the three years 1946, 1947 and 1948 before next March, unless the U. S. Supreme Court has reversed the decision in the meantime.

The method is to file an amended return. Put your sales of breeding stock on Schedule D and take them off the farm schedule. Then figure the tax on the new basis and ask for refunds on Form 843.

SAVES MONEY FOR YOU

INCOME TAXES for farmers, on average sized farms, may be $50 to $150 less per year than now under a new court decision on taxes.

YOU MAY BE able to go back three years and make the saving on taxes paid for 1946, 1947 and 1948. Big farmers may have $500 to $1,000 coming.

TAX SAVING is due to the fact that money received from sales of dairy cows, brood sows and breeding stock is only half taxable.

THIS PAPER has been fighting for this change. Read all about it in this article. And watch for more news in coming issues.

Editorials

Income, Not Bushel-Price, Is Real Goal

WHICH do you want more? A good price per bushel or a good income per year? Every farmer will answer: "A good income every year. A high price per bushel doesn't do much good if you don't have a crop."

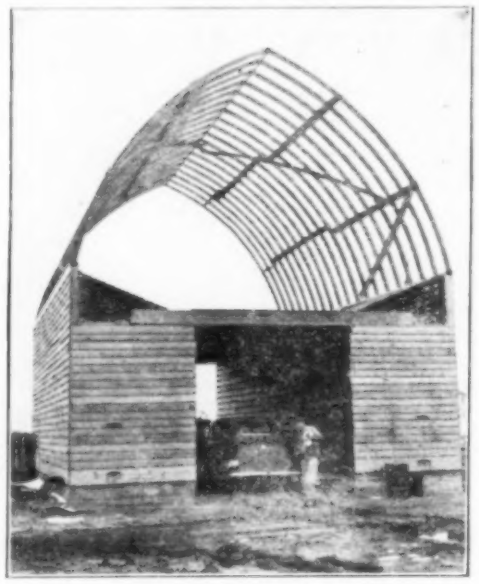
Yet our farm programs have been usually aimed at high price per bushel, not at the goal of a good annual income.

Actually, the farm law passed in 1938 did include "parity income" as a goal as well as "parity price." Yet, so far, we haven't paid much attention to the income goal.

One reason is that an income goal is harder to write into a farm program. Another is that the parity income goal of the AAA now seems a little low.

Back in 1910-14, the income per person of people on farms was about one-third of the income per person of people not on farms. Therefore, any year when farmers get one-third as much as non-farmers is a year when farmers receive 100 per cent of parity income.

The definition of parity income in the law should be revised. But, once revised, it should be used as the goal of farm programs. Income, not price per bushel or price per 100 pounds of livestock, is what we really want.



SEALING PAID

"Sealing paid for the crib," says R. E. Anderson, of Boone county, Iowa. He started to build the crib last fall, and has 2,500 bushels, sealed, in it now. He'll complete the crib this year.

Anderson is planting less corn this year, seeding down more land. "Ground is getting run down," he says.

Fall Pigs Bring Down Hog Market

FALL pigs are coming to market early. And there are lots of them. Everybody expects a drop in hog prices when the fall pigs come in, but the drop this year may be a little sharper than is ordinarily the case.

Hog prices will bounce back up in summer, as usual. But farmers wonder how big the spring slump is likely to be.

One way to figure it is by noting that support prices do not go lower than $16.25 this spring. This is the Chicago price for good and choice barrows and gilts from May 15 to June 11.

Government buying will be used, if necessary, to support hog prices at this level. Actually, government buying can't hold up hog prices in a big run, such as may develop next winter. But it won't take much buying in May and early June to keep the price above $16.25.

Blindfold May Come Off Cotton Men

THE cotton farmer has worked blindfolded for years — by order of congress. For other major crops, an intention-to-plant report is issued in March.

Farmers who see that acreage is overheavy in one field, and too light in another, can change their plans. But cotton farmers never know about acreage prospects until the first crop report.

Years ago, some congressmen from the south got excited over a drop in the cotton market when March intentions indicated a big cotton crop was on the way. So they stopped intention-to-plant reports. The price dropped anyway, of course, when the first crop report came out.

Now congress is considering a change in the law. Wallaces' Farmer and Iowa Homestead hopes the change is made. Cotton farmers are entitled to know what is going on. They should have every bit of information that will help them decide, before planting time, how many acres of cotton they should put in.

Men Who Tried Out Hybrids First

WHAT kind of farmer is the quickest to pick up new ideas? Iowa State College investigated the speed with which farmers shifted from open-pollinated to hybrid corn in two townships.

The man who heard about hybrids first and who was quick to try out the new idea could be described like this: He was younger, he read more, had gone to school more, had a higher income, and had more social contacts than the men who were slow to change.

Whether a man was an owner or a tenant didn't seem to make much difference. But it did make a difference if he had a big corn acreage, had cooperated in AAA, and had the habit of keeping farm accounts. Men of this kind shifted over to hybrids quicker than others.

How does it work in your neighborhood? What kind of farmers hear about and try out new ideas first?

Can We Head Off War?

North Atlantic Pact Raises New Questions, New Problems

ARE your sons and grandsons going to fight in World War III? That's what congress is arguing as it debates the North Atlantic Pact.

Congress hopes the pact may head off World War III. But it isn't sure.

The pact states: "The parties agree that an armed attack against one or more of them in Europe or North America shall be considered an attack against them all."

THE North Atlantic Pact admits flatly the fact everybody has recognized—that the world is split into two camps. Russia and her allies oppose the United States and her allies.

Wendell Willkie's hopes of "one world" are fading. The United Nations has received a blow.

One example is the Dutch. The UN has ordered the Dutch to take certain steps in Indonesia. The Dutch have refused. Yet the Dutch belong to the pact, and apparently will receive aid under it.

The UN slaps the Dutch on the wrist. The pact gives the Dutch more arms.

John F. Dulles, Republican adviser on foreign affairs, indicates that it may have been a mistake to get Norway into the pact.

Norway, Sweden and Denmark wanted to form a Scandinavian bloc, and to stay outside the pact.

Our State Department urged the Norwegians and Danes to come in with us.

Russia and Norway have a common frontier. Under the pact, Norway will be entitled to military aid from us.

What will that mean to Russia? Says Dulles:

"It would indeed involve a high tribute to Soviet leaders to assume that under these circumstances they would exercise more self-control than would our own people under comparable circumstances, as, for example, if the Soviet Union had military arrangements with a country at our border."

IN OTHER words, how would we like it if Mexico and Cuba joined the Russian bloc and arranged to get military help from Russia?

That's the way Russia may look at our deal with Norway.

We are assuming other risks in the future. Suppose De Gaulle comes to power in France and wants to take a chance on war with Russia? Do we have to come to his help?

Suppose the Nazis, who are trying to return to power in western Germany, revive Hitler's anti-Bolshevik crusade? Do we help Hitler's successors?

THE hope of the North Atlantic Pact is that it may give Europe a feeling of security and so aid in getting business going again.

As it stands, the pact may help to head off World War III or help to bring it on. It depends upon how skillfully President Truman and Secretary Acheson handle our part in it.

Farm Families That Work For Wages

BACK in 1940, about one-third of Iowa's hired men were married. Maybe more are now. At least, there are 20,000 families that belong in the hired-man class.

What chances have these folks to graduate into the renter or owner class? Not so good, if you ask them. Best chance seems to be for a married man who is able to get help from relatives to get a start.

Iowa is a state of family farms. Yet, in 1940, there were 60,000 hired men on Iowa's 200,000 farms.

As farmers get older, and still want to stay on the farm, the hired man becomes more important.

What kind of a deal does a hired man get these days? And what kind of help are farmers able to hire?

If You Ever Helped To Run A Meeting

HAVE you ever worked on a committee to run a fair, or a community supper, or a farm organization meeting? Then you know how often one person wants one thing and another person wants something just the contrary.

It's a job to get a plan worked out that pleases everybody, makes nobody mad, and yet gets the thing done.

Because every farmer and farm woman has had experiences like these, they will sympathize with the problem of Secretary Brannan and his associates in trying to work out a farm program that will give fair consideration to differing points of view and still get the job done.

Turn over to page 26 and read about Brannan's recommendations. And as you read, remember how hard a time your local committee had to reach agreement on your local problem. It is lots tougher when you're planning for the whole United States.

"I Like Cheap Corn"

THAT'S what some cattle and hog feeders say. The influence of corn-buying farmers shows in the results of the Wallace-Homestead Poll reported on page 8.

A hog feeder who habitually feeds all the corn he raises and then buys several thousand bushels more may be inclined to say: "Fifty-cent corn looks good to me."

But it won't look good very long. Cheap corn turns into cheap hogs mighty fast. It turns into cheap beef and cheap butter a little more slowly. But, in the end, that's what always happens.

Iowa hog men could make money in December of 1938 by buying corn at 38 cents a bushel and selling hogs at $6.85. But a year later hogs had dropped 30 per cent.

In December of 1926, feeders could buy corn for 57 cents and sell hogs for $10.80. Good business. But, a year later, hogs were 29 per cent lower.

Dollar corn on many corn belt farms last winter is forcing up hog production for 1949. And hog prices next winter will be lower.

Cheap corn always makes cheap hogs. We should have learned that back in the thirties. Do we have to learn it all over again—and pay high for the lessons?

Odds *and* Ends

CORN loan is 90 per cent of parity, but the market price of corn is only 75 per cent. Better get a new crib for next fall.

"WHETHER we have a crop control program depends on our carry-over," says a farmer in Johnson county, Iowa. "Business men don't keep stocking their shelves when the goods don't move."

LOWER food prices and three million unemployed have reduced chances for another round of wage boosts this spring. Congress may increase minimum wages, tho, but not as much as President Truman has asked.

ONE Black Hawk county, Iowa, farmer says: "I read all about what folks say hog prices are going to be, but I never pay any attention. I raise just what hogs I can handle with my buildings, year in and year out. I'm a renter."

IOWA has about half the nation's total of corn under government seal. Nebraska is in second place, with less than half the Iowa total.

PAYING taxes in March always takes a lot of money out of circulation and helps to slow down business. As soon as the government starts spending more money in a month than it takes in, business will get a shot in the arm.

FARM products, on the average, are a little above parity. That is, they'll buy more of non-farm goods than in the 1910-14 period.

BUT it makes a lot of difference what you have to sell. Veal calves and lambs are away above parity. But eggs are 88 per cent of parity, grapefruit 31 per cent, and oats 71 per cent.

ONE economist says: "We aren't going to have another 1920-21, or another 1930-33. But the price level is going down."

THE more the average consumer is paid, the more milk and cream he'll buy. From 1942 to 1948, disposable income per person rose 51 per cent. Prices of milk and cream rose 38 per cent.

ARE you old enough to want to retire in 10 years? One way to be sure of retirement income is to put away $900 a year in U. S. Savings Bonds. That will give you $100 a month starting 10 years from now and lasting thru a 10-year period.

GOALS for farm production this year are 10 per cent above 1948 for livestock and 2 per cent under 1948 for crops. But will income of folks who buy livestock be up 10 per cent?

Song of the Lazy Farmer

TODAY I started my spring work, no longer could I dodge and shirk, my conscience wouldn't let me stay inside another single day. So, somewhat sadly, to be sure, I started an inspection tour to size up things that must be done before I stop again for fun. Imagine my surprise to see that lots of things were new to me; apparently, all winter long, Mirandy kept on goin' strong, and while I rested in my chair she launched new projects ev'rywhere. So much has changed since 'way last fall, I hardly know the place at all.

Why, half the plowing's done, I'd guess; machin'ry I left in a mess is all fixed up and set to go; someone's been fixin' fence, I know; the brooder's full of chicks half-grown; it looks like all the oats are sown. Tho I ain't made a livestock plan to tell my wife and hired man, I see they've bought a dozen sows and have the barn filled up with cows. A croppin' plan's been figured out, I can't tell what it's all about; there's even one field turning green with some crop I ain't never seen. But, shucks, it's all okay with me, I'll head back to my chair, by gee.

Audubon county, Iowa, farmer, Alfred M. Christensen, said that 60-cent corn would make him vote for quotas.

Fred York, of Dallas county, Iowa, would vote for quotas if price of corn falls to 80 cents per bushel.

What's A Fair Corn Price?

THE WALLACE - HOMESTEAD POLL asked: "With other prices as they are, what would you say would be a fair price for corn over the next five years?"

FARMERS ANSWERED:

$2.00	1%
1.50	28%
1.25	35%
1.00	30%
.90	3%
.80	2%
.70	1%

Before You'd Vote Quotas---

How Low Would Corn Have To Go?

Tables on this page show outcome of a Wallace-Homestead Poll dealing with Iowa farm opinion on corn price and marketing quotas. Following comment on the results is by Donald R. Murphy.

WHAT'S a "fair" price for corn? Iowa farmers interviewed answer, on the average: "Around $1.25."

Why did farmers pick such a low price? Men who buy corn and don't sell any would naturally pick a price lower than those who sell. Other farmers—with the present price of hogs in mind—may have felt that they wouldn't worry about corn prices as long as hog prices stay high.

In the long run, of course, low corn prices turn into low hog prices. But not everybody stops to think about that.

How low would corn have to go before you would vote for marketing quotas? Farmers had different answers. For the whole group interviewed, corn would have to go to 70 cents before a two-thirds vote could be mustered to approve marketing quotas.

How far would corn have to drop under a "fair" price for farmers to vote for quotas? On the average, most farmers interviewed would permit a 35-cent drop under what they think is a fair price before they'd vote for quotas.

Farm views, as reported in this poll, might change sharply later on if prices went into a slump. As one man said: "It's hard for me to say in advance how loud I'd holler when you stick a pin into me." So farmers may vote differently when and if the pin of low prices actually is driven into their skins.

How accurate is a survey like this? These same farmers, in a test question, reported a 2 per cent decrease in corn acreage at the same time that the BAE reported a 1 per cent decrease.

Apparently, a cross-section of Iowa corn producers was interviewed. But questions of opinion—and opinion on a subject that is still being explored and debated—do not ordinarily give answers as accurate as questions concerning corn acreage.

In election forecasts, a margin of four points is customary. That is, if the poll predicts John Smith has 40 per cent of the vote, the actual result may be somewhere between 36 and 44 per cent.

On questions of opinion, margins are likely to be greater. This poll shows 68 per cent would vote for marketing quotas if the price of corn dropped to 70 cents a bushel. This may mean that somewhere between 60 and 76 per cent of Iowa corn farmers might vote for marketing quotas with corn at 70 cents.

On this particular question, farm opinion may shift sharply as discussion goes on. For this reason, the Wallace-Homestead Poll will make later surveys on the same subject.

Here are some comments from farmers on the question:

"I simply don't like the government sticking its hands in our business. I always made money feeding cattle, and can not see aid to farmers."—Shelby County.

"For me, crop controls and acreage allotments can start any time. I'm for anything that will take care of the farmer."—Johnson County.

"I buy most of the corn we use, and would like to see it cheaper. It could get down to 50 cents without bothering me."—Appanoose County.

"Corn borers may whittle the crop down so we won't have to worry about controls."—Guthrie County.

"We may not like production controls, but we'd better get ready for them. It looks as if that is the best way to help our income, and it will save our land at the same time."—Johnson County.

"Corn should be supported at the present $1.36 per bushel. I'm not in favor of controls even if the price goes lower. All it would do is to create more bureaucratic jobs, and God knows there are too many now."—Audubon County.

"I'm ready for a control program now. It should include conservation, too."—Tama County.

If Corn Dropped To 70 Cents---

WALLACE-HOMESTEAD POLL ASKED: "How low would corn prices have to go before you would be willing to accept a crop control program with acreage allotments and marketing quotas, with penalties for growing or marketing more than your quota?"

FARMERS ANSWERED:

$1.50	4%	$ .80	17%
1.25	5%	.70	11%
1.00	15%	.60	5%
.90	16%	.50	10%

Wouldn't want controls no matter how low prices dropped 17%

Farmers Liked 2,4-D Results

1948 Tests Sold Them On Value Of Weed-Killers

By WALLY INMAN

IF YOU want to know what a man thinks of a product, ask him if he intends to use it again. Do that on 2,4-D and you'll find just about everyone who used it before intends to use it again—on a broader scale.

Talk to Walt Runge, Mitchell county, Iowa. Last year, he sprayed 700 acres of corn, small grain, pastures and fence rows. He used an ester type 2,4-D.

"In the corn, we were mainly after morning-glories and button-weeds. In the pasture, we were after some scattered thistles. We've been after the thistles three years," Runge explains.

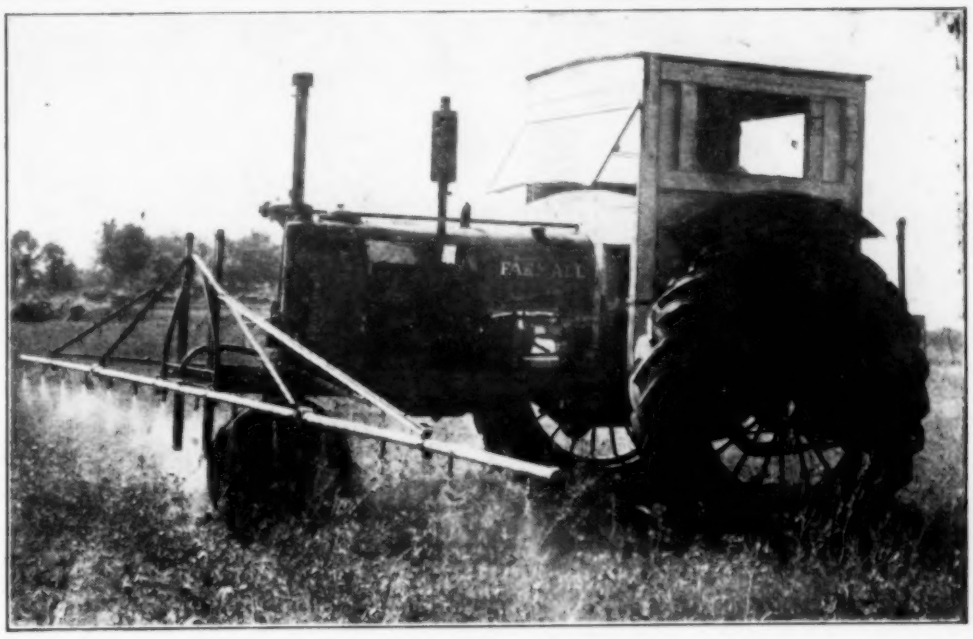
"You can kill thistles, but not in one application nor in one year. But 2,4-D works," he says.

"That stuff is the best thing I've ever seen for morning-glories. One 40 was really bad. We went in there with a 30-foot boom, left it a week, and the boys went right thru with the cultivator," he says.

"Before spraying, you probably could not go 20 rods without stopping to fight the 'glories off the cultivator."

Naturally, he intends to use 2,4-D again this year.

Jerry Michels is another Mitchell county farmer who used 2,4-D last summer. He compared ester and amine types on small grain and pasture; used amine only on corn.



Even Tho your sprayer was adjusted just the way you wanted it last season, check it carefully before you use it this spring. Bob Caldwell, of Dallas county, Iowa, is using plain water to check this 24-foot outfit in a pasture.

"I sprayed corn between the second and third cultivations. I left 30 rows (three acres) as a check, and didn't cultivate it the first time. I crossed it the first time over, sprayed, and then laid it by. That was just as clean, yielded as much as the rest of the corn," Michels said.

But he feels everyone needs a little more education on 2,4-D. He spent a pretty worried summer. As it turned out, he had nothing to worry about. But things could have been different.

"I must have put on too much, tho I followed instructions," he says. "My corn twisted pretty badly; it was brittle, and some stalks broke off when I laid it by. The wind broke off some more.

"I thought I'd ruined it, but it averaged almost 80 bushels, so I guess the stand was good enough that no real harm was done. But I sweat it out plenty," he grins.

He was fighting thistles in the small grain and pasture. He hasn't got them licked, but "in two or three years I'll have them," he thinks.

He couldn't see much difference in the ester type and the amine type in the pasture — except that the ester worked faster.

Michels figures that landlord and tenant should split the cost of the chemical. The tenant should own the sprayer and do the work, since there are many other uses for a sprayer.

O. P. Jacobson, Worth county, Iowa, manages the Atwood Stock Farm. He tried both ester and amine. He was after mustard, thistles and smartweed in low places.

"Results were very satisfactory on pasture and small grain. In corn, I sprayed amine type over the top, but before it could work on weeds, pigeon grass started, and I got cold feet. I started to cultivate, and 2,4-D didn't have long enough to soak into the roots," Jacobson says.

"After my experience, I am not afraid of thistles or any other weed as long as I plant clean seed. Not even of quack, for beans two years in a row will control it," he says.

So you know Jacobson likes 2,4-D.

What do landlords think of it? Ask E. A. Westbury, who lives in Iowa Falls, but owns a Franklin county farm.

He and his tenant, Kenneth Campbell, used amine type on corn, the ester type on thistle patches. In a field so foul that a crop of sweet corn could scarcely be harvested in 1947, Campbell ended up with almost weed-free corn in 1948.

"We're well pleased. We plan to use it on all our corn this year," Westbury says. Who will pay the cost?

"Last year, the weeds in that field were so bad I bought all the dope. But from now on we think 50-50 is a fair split on cost of the chemical," he says.

DON'T TAKE CHANCES

VALUABLE tho they are, chemical weed-killers can be dangerous.

Manufacturers, and plant pathologists like "Dutch" Sylwester, at Iowa State College, don't issue warnings just to be talking.

Here's a case in point:

Harold Machin works for Walt Runge, Mitchell county, Iowa. He did the 2,4-D spraying on Runge's farm.

After they'd used the weed-killer, Machin and Runge decided to use DDT on the bugs and worms in the potato patch and garden.

"People aren't kidding when they tell you to clean that sprayer," says Machin. "We started spraying with DDT. Boy, we curled that whole garden and a quarter of an acre of potatoes, too. I knew you should clean the sprayer. But I just didn't think 2,4-D was that potent.

"I've been razzed so much a little more won't hurt. Put that story in the paper and maybe others will be more careful."

If you've used your sprayer for 2,4-D, and then want to use it to spray DDT near gardens, shrubs, flowers or grapevines, clean the sprayer thoroly.

Here's Sylwester's method: Wash several times with hot, soapy water, and flush with clear water. Then fill sprayer with clean water, to which you have added household ammonia at the rate of one quart per 25 gallons of water. Leave that solution in the sprayer overnight. Then flush it out.

To check, test-spray young tomato plants with clear water.

THESE FAMOUS PRODUCTS NOW AT SALE PRICES

D-X MOTOR OIL
D-X HEAVY DUTY MOTOR OIL
D-X DIESEL MOTOR OIL
DIAMOND MOTOR OIL

Complete Lines of Lubricants

for Chassis, Crankcase, Transmission, Differential, Hypoid Gears, Wheel Bearings, Water Pump, Universal Joint, Final Drive, Steering Wheel, Gears, Bearings, Cups, Axles.

FARM PRODUCTS

Cream Separator Oil — Penetrating Oil — Flushing Oil

ORDER NOW—PAY ON DELIVERY

Get prices and terms from your D-X Farm Serviceman or Bulk Station Agent. No money needed with order. Pay when you take delivery. Specify delivery on any day or dates you choose, but ORDER NOW. May 31 is the last day of the spring Pool Car Oil Sale.

FARM D-X SERVICE

MID-CONTINENT PETROLEUM CORPORATION
TULSA, OKLA.

Waterloo, Ia. Terre Haute, Ind. Chicago, Ill. Omaha, Nebr.

49-2

Workday Pointers

SLIGHTLY LARGER corn planter plates are necessary if you drive the planter at high speed.

▲ ▲ ▲

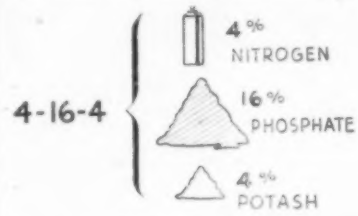
HOGS DO BEST on cooked potatoes. Other livestock seems to thrive best on potatoes in the raw form.

▲ ▲ ▲

FRONT WHEELS of a tractor should be inspected and adjusted at least twice during the heavy spring field work.

▲ ▲ ▲

THOSE FIGURES on your fertilizer sacks mean percentage of nitrogen, phosphate and potash, in that order. Thus, 4-16-4 contains 4 per cent of total weight nitrogen,



16 per cent phosphate and 4 per cent potash. A sack of 8-32-8, if such a combination were made, would be worth just twice as much as a sack of 4-16-4, and you should apply it at half the rate per acre.

▲ ▲ ▲

THE GRASSES respond to nitrogen fertilizer. Sod-bound blue grass or brome grass probably is suffering from lack of nitrogen.

▲ ▲ ▲

ROTATION GRAZING is better for both cattle and grass. Electric fences can be used to divide pastures into two or three parts.

▲ ▲ ▲

NO FEED IS SAVED by turning cattle on pasture before the grass makes a good bite for a cow. Feed saved in the spring is more than lost in the summer and fall.

▲ ▲ ▲

LUMPY CEMENT can be used if the lumps form because the cement was piled in one place for a long time. But if the lumps were caused by moisture, the cement might as well be thrown away.

▲ ▲ ▲

TWO LADDERS for every farm are advocated as a fire preventive measure by Don L. Berry, editor of a Warren county, Iowa, newspaper. One ladder should be long enough to reach the eaves of the tallest building, and the other should be a hook-ladder to lay on the roof.

▲ ▲ ▲

SUPERPHOSPHATE placed in the cow barn gutters at the rate of one pound per day per cow will greatly increase the value of the manure to your crops. The superphosphate (ordinarily known as 0-20-0) will prevent loss of nitrogen besides adding phosphorus to the manure.

▲ ▲ ▲

WHEN YOU DRY 1,000 bushels of corn from 20.5 per cent moisture to 15.5 per cent moisture, you have 935.8 bushels. The shrink is almost 65 bushels. When you dry 1,000 bushels of 18 per cent corn down to 15.5 per cent moisture, you have 965.4 bushels of corn. Shrink is about 35 bushels.

FERTILIZER is most effective when used along with good crop rotations.

▲ ▲ ▲

IF SPRING PIGS are ear-marked by litters, you will be able to select sows next fall from big litters of growthy pigs.

▲ ▲ ▲

RATE OF GROWTH is coming to be recognized as an inherited characteristic. Fast-growing animals should be selected for breeding stock in both hogs and cattle.

▲ ▲ ▲

CRUSTS on plowed fields are thicker and harder than they used to be because the soil has lost humus, or organic matter. More grass and fewer acres of grain crops will make softer crusts after rains.

▲ ▲ ▲

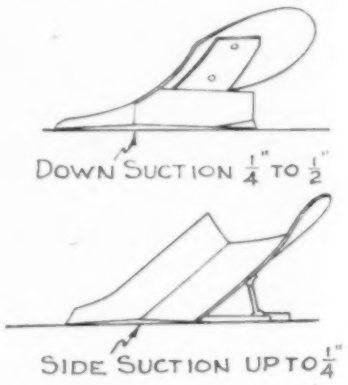
LATE PLOWING of last year's sweet clover stands will put more nitrogen and organic matter in the soil than early plowing. But if you plow a foot-high stand of clover under in early May, you may have difficulty in getting the seed-bed in good shape. Poor stands of corn or beans can easily result.

▲ ▲ ▲

OAT FIELDS can be fertilized with nitrogen until the time when the oats are eight inches high. One advantage of the application after the oats are sowed is that nitrogen-deficient areas will be indicated by yellow-looking oats. There is some chance of wastage in these late applications, however. If you try it, aim to make applications just before a rain.

▲ ▲ ▲

CHECK PLOW-SHARES for both down suction and side suction each time they are sharpened and replaced. Down suction should

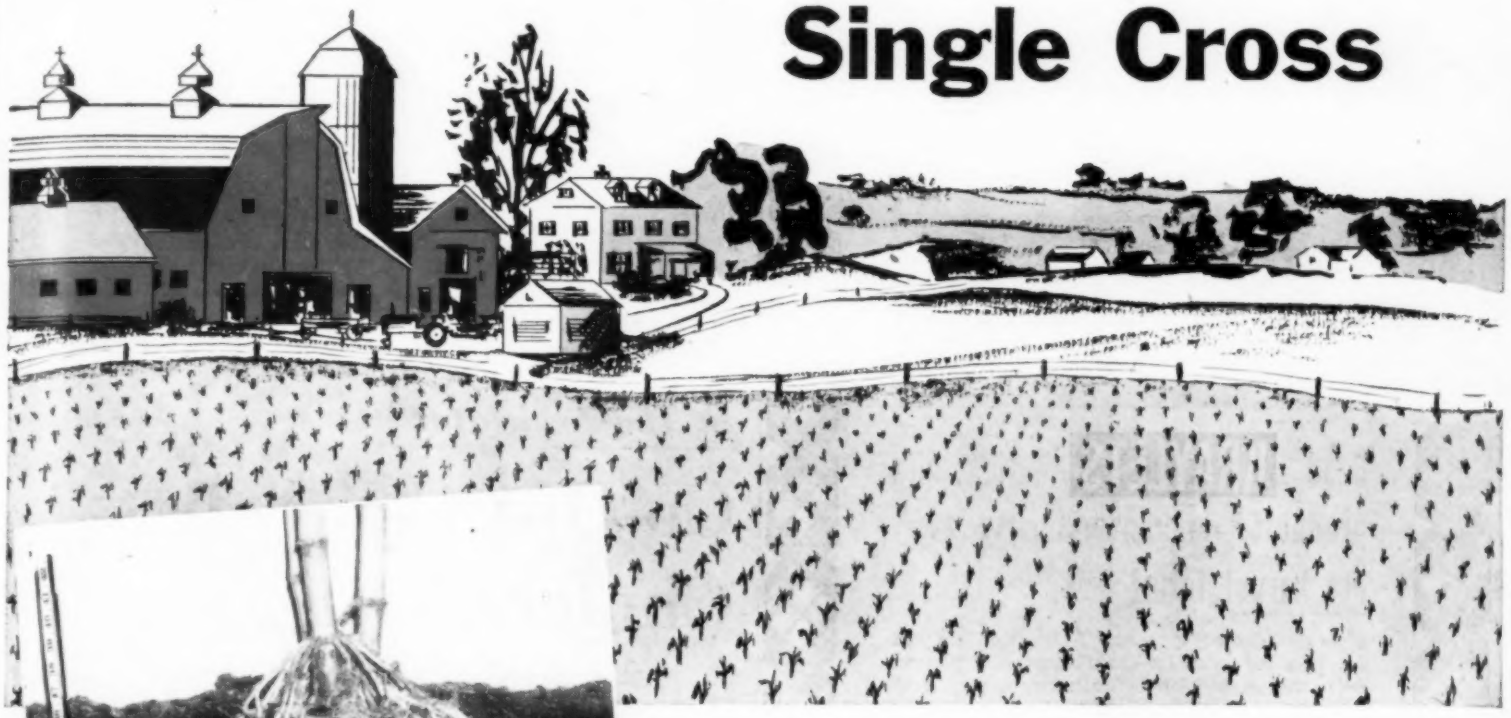


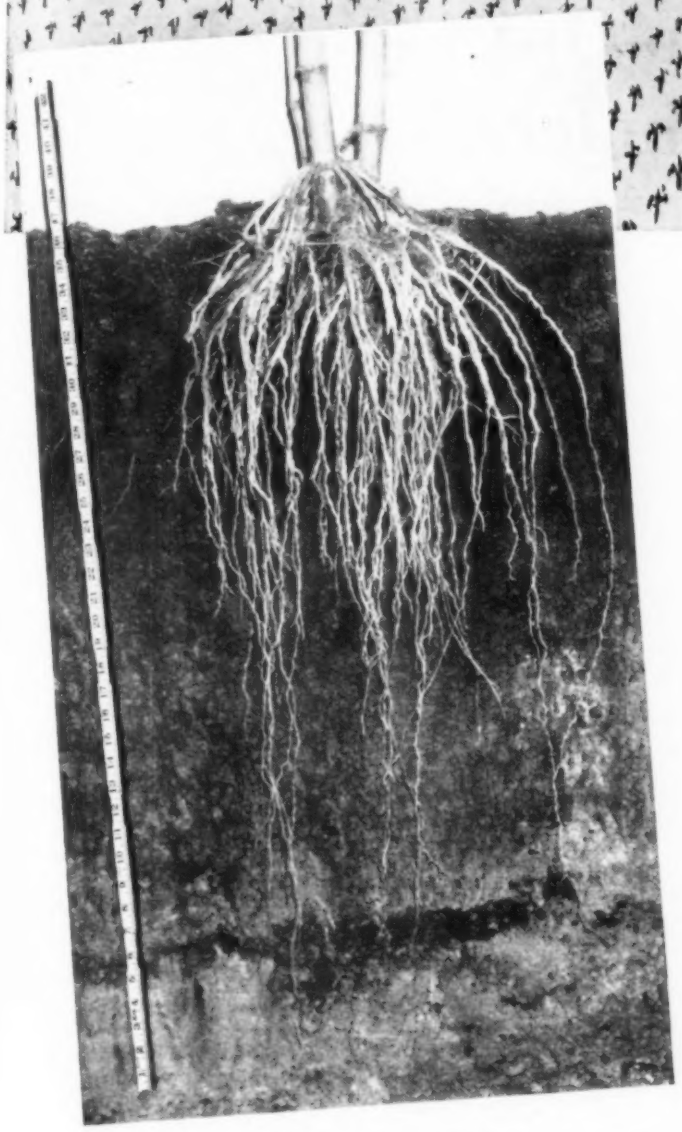
be one-fourth to one-half inch, according to Iowa State College engineers. Side suction should be one-fourth inch. A rule or square will reveal at once whether the plow-shares are in proper shape as shown in the illustration.

▲ ▲ ▲

CORN LOANS can be secured until June 30. Purchase agreements on corn can be signed until June 30 also. For sealing, corn must have not to exceed 17.5 per cent moisture in April and 15.5 per cent in May. If you sign the purchase agreement, the corn must grade No. 3 or better when you offer it to the government in September. You get the loan price, which averages about $1.36 in Iowa under either method.

CROW'S "DEEP ROOT" Single Cross





These roots go down more than 36 inches into the ground. They get extra food and moisture—hold up stalks—and save corn.

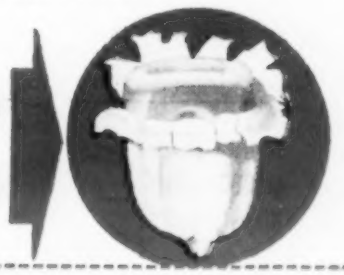
Gives You Corn that STANDS UP

Above and below the ground surface, this new hybrid beats any corn you have ever seen—ever heard of—or believed possible to get in hybrid vigor. You can't pull it up. Its bushy roots go down deep into the ground. They penetrate even tightly compacted soils. Wind will not blow this corn over. Stalks spring right back—upright—and hold corn for the picker.

Here's a new power in hybrid corn. It offers you super powered plants that get food and moisture in the lower layers of soil. Its strong stalks and low ears assure you that every ear will get into the wagon.

Only a limited amount of this new discovery in single cross seed corn will be available for 1950 planting. Place your early order with Crow's dealer in your community as soon as possible.

DEPENDABLE FILM-COAT PROTECTION



Mail Postal or Coupon for
CROW'S Profit Sharing Plan on EARLY ORDERS

CROW'S HYBRID CORN CO.

MILFORD, ILLINOIS and NEVADA, IOWA

WORLD'S LARGEST PRODUCERS OF SINGLE CROSS SEED CORN

CROW'S HYBRID CORN COMPANY Dept. WF
MILFORD, ILLINOIS

Send information about Crow's "Deep Root" Single Cross, and 1950 "EARLY ORDER" offer.

Name.....

Address.....

R.F.D.....State.....

DETROIT PUBLIC LIBRARY

Poultrymen! Boost profits with milk protein this new, easy way!

Feed KRAYLETS—80% milk products* in handy, thrifty dry kernel form!

Now give flocks the most *efficient* protein you can buy for animals—nutritious milk protein—in the easiest, most economical way ever developed! Feed Kraylets, 80% valuable milk products in dry kernel form.

No liquids or pastes to mix. Kraylets is convenient, highly concentrated *dry kernels!* Use just a small amount in regular poultry rations.

Users report sensational results feeding Kraylets to poultry, hogs too!

Thousands of Kraylets users report remarkable savings—bigger profits from feeding Kraylets to poultry *and hogs* at every stage of development:

Baby Chicks: Kraylets in "starter" rations helps young chicks get a fast, healthy start—helps cut mortality rate.

Growing Flocks: Kraylets' efficient milk protein helps sharply increase the feeding value of all rations—puts them to work for truly *thrifty* gains! Kraylets-fed flocks eat more grain—less of expensive mashes.

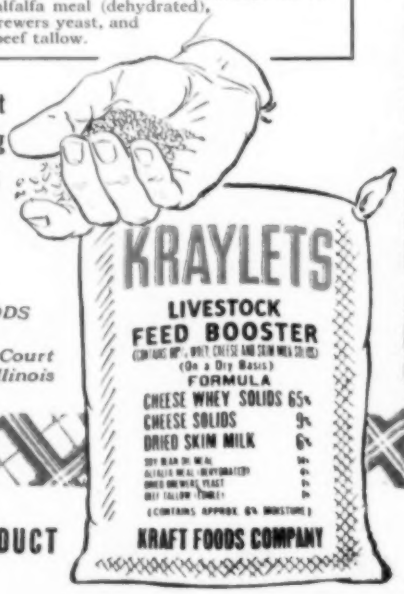
Turkey Raisers! Kraylets can help you boost profits *four* ways: Helps build better birds at less cost, helps increase egg yield, helps boost egg hatchability rate, and promotes faster gains on birds for meat production. (By field tests.)

**Kraylets' open formula contains 80% concentrated milk products!*

The milk products in Kraylets are 65% cheese whey solids, 9% cheese solids, and 6% dried skim milk. The rest of the formula consists of 14% soybean oil meal, 4% alfalfa meal (dehydrated), 1% dried brewers yeast, and 1% edible beef tallow.

Find out about profit-boosting Kraylets from your dealer today!

or write:
KRAFT FOODS COMPANY
500 Peshtigo Court
Chicago 90, Illinois



A KRAFT PRODUCT

Three-Way gate swings both ways, can be used to close off lot at left, the one at right, or the area in the foreground.

In The Legislature

Co-Ops Can Sell Cholera Virus

Vote Not Close On Farm Bureau-Sponsored Bill, But Tax Argument Gets Into Debate

THE Iowa legislature, by one-sided votes in both houses, restored to the service companies of the Iowa Farm Bureau Federation their right to sell hog cholera serum and virus.

The senate passed the bill, 40 to 1. The house previously passed it, 92 to 11, after rejecting, 26 to 76, an amendment to bar Farm Bureau companies from county aid if they engage in business.

Senator J. Kendall Lynes (Rep., Bremer county) presented the bill while wearing the Farm Bureau green tie. He said the measure is the result of a supreme court ruling that only pharmacists can sell serum and virus.

When it appeared that there would be no debate, Senator Fred Maytag (Rep., Jasper county) arose to sound a warning that the bill bears on the "danger that lies in the fact that cooperatives are given special treatment under the tax laws."

Maytag said he wasn't going to vote against the bill. He said that "denying the Farm Bureau the right to sell serum is as futile as trying to hurt an elephant by pulling off a toenail."

Senators A. E. Augustine (Dem., Mahasaka county), Harry E. Watson (Rep., O'Brien county) and Raymond Gillespie (Dem., Adair county) defended the Farm Bureau and cooperatives.

The first legislative program completed was the one on flood control, suggested by the interim flood control committee.

The flood control bills create a natural resources council of seven, appointed by the governor, to take dominant control of conservation of water resources and flood control.

Other bills in the program rewrite and liberalize the drainage laws, provide for elimination of stream pollution in two years, and increase the membership of the State Soil Conservation committee from five to seven by putting five instead of three farmers on it.

The Iowa Association of Soil Conservation District Commissioners took a hand in the passage of one flood control bill. It sponsored an amendment, presented by Senator Earl C. Fishbaugh, Jr. (Rep., Page county) and approved by both houses.

The amendment, to a bill permitting organization of special assessment districts for drainage, soil conservation and flood control under the drainage laws, authorizes boards of supervisors to create, in coal mining areas, districts in which strip coal miners are required to replace the top soil.

Well on their way toward completion were two other major programs: State aid for schools, and a new 20-year road improvement plan (see page 22).

Both houses have approved a boost in general aid from the present $7,375,000 to $12,000,000 a year.

This gives local districts a state payment of 17 instead of 11 cents a day for each grade school pupil, 20 instead of 14 cents per high school pupil, and sets up a new payment of 25 cents a day for each junior college pupil.

Both houses also approved an increase from two to five million dollars a year in the agricultural land credits fund. This is the money used to make refunds to farmers who pay school taxes at a rate of more than 15 mills.

Three other school bills were headed toward final approval. One increases supplemental state aid to poorer districts from $1,000,000 to $4,250,000 a year. Another raises state payments for pupil transportation from $2,000,000 to $3,500,000 a year. The third provides some $750,000 a year in miscellaneous aid to schools.

All these bills, if approved, will add up to annual state aid for schools of $25,500,000 a year, nearly double the present $13,000,000.

Convenient One Gallon Electric Pasteurizers Are Now Available to Protect the Health of Farm Families

Healthful, delicious milk . . . nature's most nourishing food . . . requires pasteurizing as a health protection. You can now pasteurize the milk for your family easily and economically with a convenient electric pasteurizer.

All you need to do is pour one gallon of milk into this popular electric appliance and turn the timer knob. All of the rest is done automatically. There is no thermometer to check . . . no clock to watch. When the automatic buzzer signals you merely cool the milk promptly and it is ready to use.

Retains Delicious Flavor

Pasteurized milk does not taste "cooked" and all of the food value is protected. By heating the milk automatically to the proper temperature you eliminate the threat of milk borne diseases such as undulant fever, tuberculosis, typhoid and scarlet fever. You can now give your family the same vital health protection provided in all commercially processed milk.

Electric Milk Pasteurizers are also available at appliance dealers and farm equipment stores.

A TIMELY MESSAGE FROM

THE ELECTRIC COMPANIES OF IOWA

PIONEERS IN RURAL ELECTRIFICATION

CENTRAL STATES ELECTRIC CO.
PEOPLES GAS & ELECTRIC CO.
INTERSTATE POWER COMPANY
IOWA ELECTRIC COMPANY
IOWA ELECTRIC LIGHT & POWER COMPANY
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY
IOWA POWER & LIGHT COMPANY
IOWA PUBLIC SERVICE COMPANY
IOWA SOUTHERN UTILITIES CO.
NORTHWESTERN LIGHT & POWER COMPANY

Reddy Kilowatt
The friendly symbol of the electric light and power industry.

UNIFORM MILKING

gets more milk!

ONLY DELAVAL GIVES YOU MAGNETIC UNIFORM MILKING

From the Pulso-Pump the DeLaval "Magnetic Heart" controls the milking speed and action of each unit in use. All units *must* milk alike and cannot vary from milking to milking.

Most other types of milkers have a separate pulsator for each unit and great variation in milking speed and action is possible.

The result is like constantly changing hand milkers . . . a serious loss of milk production.

Uniform milking gets *all* the milk—and only the De Laval Magnetic Speedway Milker assures absolutely uniform milking.

De Laval
THE DE LAVAL SEPARATOR CO.
165 Broadway, New York 6
427 Randolph St., Chicago 6, Ill.
61 Beale St., San Francisco 5, Cal.

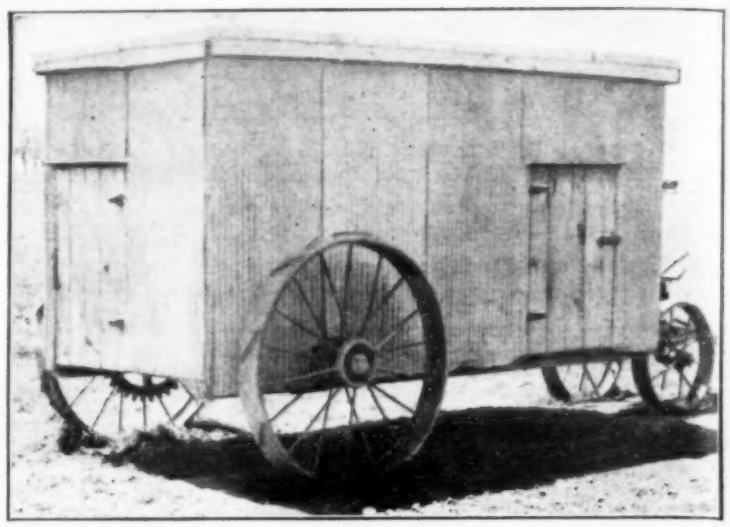
The De Laval Separator Company, Dept. 44-S
165 Broadway, New York 6, N. Y.

Please send me printed matter on:

- ☐ De Laval Milkers
- ☐ De Laval Separators
- ☐ De Laval Freezers
- ☐ De Laval Water Heaters
- ☐ De Laval Milking Truck
- ☐ De Laval Can Hoist

Name _____

Town _____ RFD ____ State _____



Feed Wagon is built on old spreader frame, is handy for hauling loose or sacked feed or ear corn to hogs and poultry on pasture. Ed Bentzinger, of Lee county, Iowa, has several of these.

Test Your Sows For Higher Profits

Pigs That Are Biggest At Weaning Time Also Will Reach Market Weights First

KEEP one eye on the pig when picking gilts for next year's litters—and the other eye on the scales.

Brood sow production testing is just in its infancy. Yet, Damon Catron, Iowa State College hog specialist, believes it can offer more experimental evidence to back it up as a measuring stick for selecting hog breeding stock than any other method used to date.

Successful dairymen long have used production records to cull cows and pick herd sires. And dairy herd improvement records prove that it pays off.

Poultrymen have used trapnesting and close culling to chalk up remarkable success in boosting the general average number of eggs laid per hen over the last 15 years.

There are similar opportunities ahead for the hog raiser who uses "pounds of pork produced per sow." Here are four facts for hog producers to think about:

1. There is a direct relationship between what a pig weighs at weaning time and what he will weigh when he reaches six months of age.

2. As long as you do not get more than about 13 pigs per sow, an increase in the size of litter does not cut weight per pig at weaning.

3. You need less feed and overhead costs to produce 100 pounds of marketable pork with large litters.

4. Gilts out of efficient-producing sows inherit the capacity to become heavy milkers and good mothers.

Many agricultural colleges have tests to back up the direct relationship between size of pig at weaning on the one hand and gain per day after weaning and weight at six months on the other hand.

For example, the Missouri experiment station found that a group of pigs which averaged 27.2 pounds at weaning time weighed 203 pounds at six months of age. It took them 200 days to get to 225 pounds.

Another group, handled exactly the same way as the first bunch, averaged 37 pounds at weaning time, yet they weighed 218 pounds at six months of age. And they reached a weight of 225 pounds in 181 days.

Size of pigs at weaning reflects both the capacity of the pig to grow and the ability of the sow to produce a liberal supply of milk. Both are inherited, tests show.

Production testing is not hard, Catron points out. Just follow these easy steps:

Identify every pig by a standard ear-marking system.

Keep a record of the number of pigs farrowed and weaned from each sow. Weigh all pigs from each sow at 56 days of age.

Keep for breeding only the gilts from the largest and heaviest litters.

Buy boars from a breeder who tests for production, too.

Catron believes this production test system will soon select the best mothers in your sow herd. They are the ones which raise the most pigs and the heaviest litters.

This system will tend to weed out sows that lose large litters of pigs soon after farrowing, or that farrow too many runts. It will tend to build up a herd of fast-gaining hogs—something you can't judge with the eye.

It will largely take care of your problem of what type of hogs to raise. The small-littered, chuffy type will not consistently produce the largest and heaviest litters at weaning time—and neither will the extreme rangy, slow-gaining, late-maturing type.

And, most important, a good sow testing program will mean greater hog profits. You will need less feed and labor to produce a hundred pounds of pork. Large, heavy litters at weaning mean low feed cost per pig at marketing.

HOG RAISERS

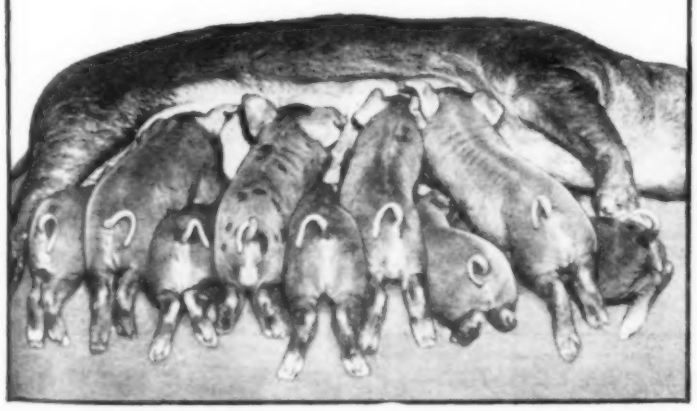
AMAZING NEW "LIVIUM" (contains APF) ADDED TO NUTRENA PIG FEEDS

Helps Save More Pigs... Get Faster, Stronger Growth

"Livium" Two-way Profit Builder

1. Birth weight and vigor of pigs are largely determined by the feed the sow gets during the last month before farrowing. Nutrena with "Livium" can help build those larger, stronger pigs that mean the difference between profit and loss.

2. After farrowing feed Nutrena with "Livium" to sows for lots of milk—creep feed it to pigs to help cut death loss and get fast gains.



Nutrena Pig Pusher and Nutrena 24% Sow and Pig Meal Both Stepped-up with New Vitamin Discovery

Nutrena brings you a great new development in pig feeds—a new way to help you save more pigs and get heavier, stronger pigs.

It's Nutrena's famous "Livium", containing the new vitamin discovery "APF" (Animal Protein Factor—or Vitamin B-12).

"APF" MAKES NEWS

The importance of "APF" has been emphasized in many recent news articles. Colleges have conducted experiments proving its power to produce fast gains. Some scientists believe "APF" may be the most important of all the vitamins.

HELP MORE PIGS LIVE

About one-third of all pigs farrowed die before they are weaned. Why not stop some of this terrible loss as chick raisers have done for years—by feeding a complete starting feed?

Feed Nutrena Pig Pusher—a complete creep feed for pigs—now made safer and better with life-saving "Livium". College experiment stations have already proved the big power of "APF" (contained in "Livium") to produce quick gains. We sincerely believe that Nutrena Pig Pusher stepped-up with "Livium" can help you save more pigs — help you get the faster growth that means earlier, more profitable marketing.

"LIVIUM" AND THE SOW

About one-half the pigs' birth weight is built during the last month before farrowing. Nutrena 24% Sow and Pig Meal (or Nuggets) stepped-up with "Livium" can help sows farrow big husky pigs that live and thrive. Feed only one pound daily with your grain.

Nutrena 24% Sow and Pig Meal with grain after farrowing helps the sow give lots of milk. It can also be creep-fed to pigs with grain.

SEE NUTRENA DEALER NOW

See your Nutrena dealer now and ask him about Nutrena feeds stepped-up with "Livium". Feed Nutrena 24% Sow and Pig Meal (or Nuggets) with grain to both sow and pigs—or get Nutrena Pig Pusher (meal or pellets) —a complete milk producing feed for sows and an outstanding creep feed for pigs.

For further data on "APF" see news stories in February 19 and March 19 issues of Wallaces' Farmer.

BE SURE BE SAFE BE THRIFTY

REG. U. S. PAT. OFF.

Nutrena

PIG PUSHER and 24% SOW AND PIG MEAL

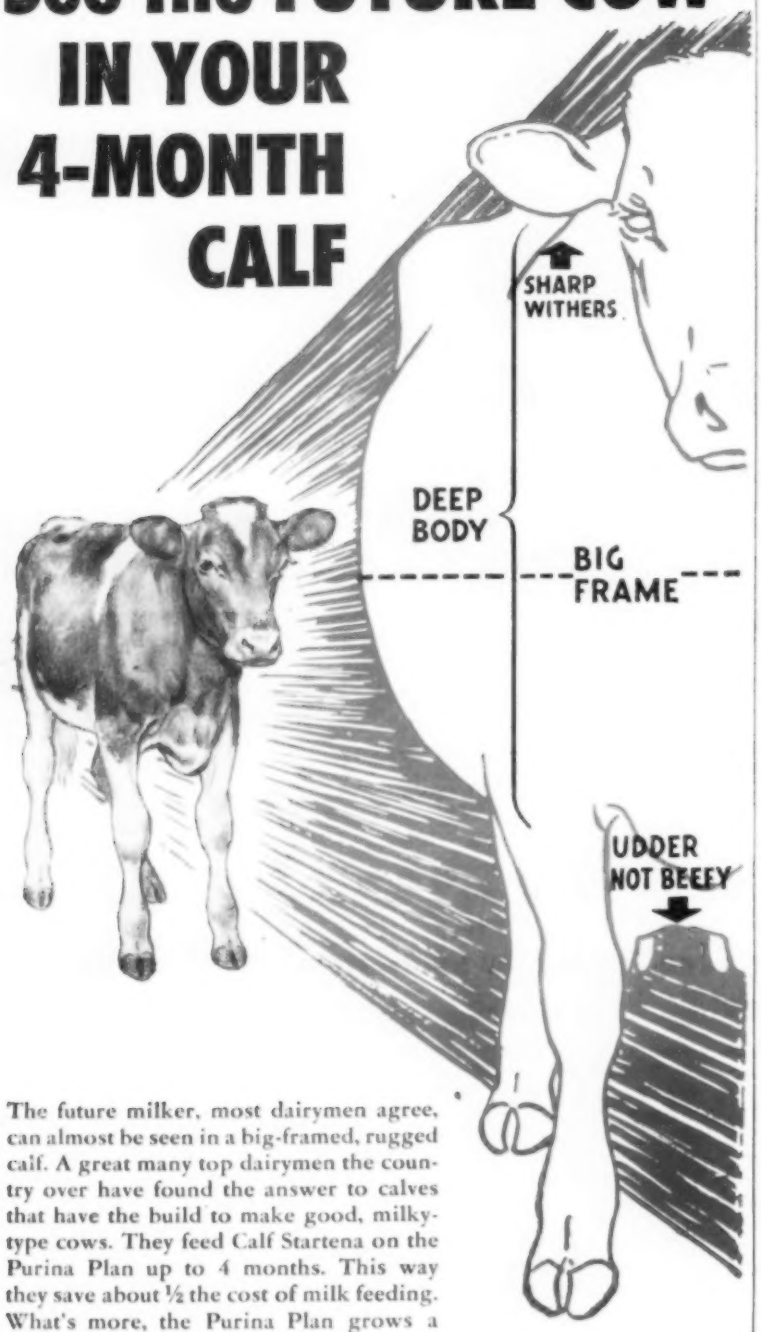
Stepped-Up With **Livium**

© 1949

Contains Animal Protein Factor Supplement

© 1949, Nutrena Mills, Inc., 200 Grain Exchange, Minneapolis, Minn.
Division of Cargill, Incorporated

See the FUTURE COW IN YOUR 4-MONTH CALF



The future milker, most dairymen agree, can almost be seen in a big-framed, rugged calf. A great many top dairymen the country over have found the answer to calves that have the build to make good, milky-type cows. They feed Calf Startena on the Purina Plan up to 4 months. This way they save about ½ the cost of milk feeding. What's more, the Purina Plan grows a solid, trim calf without flabby fat. Put your calves on Purina Calf Startena. Then see the difference it makes — see that preview of your future heavy-duty milkers in your 4-month-old calves. Buy Calf Startena at your Purina Dealer's Store—the Store with the Checkerboard Sign.

RALSTON PURINA COMPANY
Headquarters, St. Louis 2, Missouri

More Skill Needed As Prices Drop

Keep Closer Watch On Expenses If You Want To Make Money On The Downgrade

It isn't easy to make money on a declining price level. Francis A. Kutish, Iowa State College farm economist, lists some things to think about as we face a shift to lower farm prices.

FOR nearly 10 years, we have been riding a rising price level. Farm profits come fairly easy when prices are going up. About all you have to do is get volume—lots of output. You don't have to watch costs too closely. If your output is large, your income will rise faster than your costs—which usually lag in times of rising prices.

Just the opposite is true when prices are falling. Then the premium is on keeping down costs. Prices of things you sell fall faster than expenses. It still is important to have as big an output as possible—if you keep costs in check.

Keeping expenses down is not easy. But there are some spots where you can trim them. You can be sure to invest in new machinery that cuts costs or raises output—not just boosts your overhead. You can make sure you are using the right kind of fertilizer. And as much as, but no more than is profitable.

Artificial insemination may be cheaper than keeping a bull. Less hired labor may be employed. Using your tractor less will hold down tractor fuel and repair bills.

Careful planning becomes more important, too. Some parts of the farming business are more uncertain than others. In times like these, enterprises with the fastest turnover of money carry the least risk. In general, however, it pays to concentrate on the things at which you have the highest skill.

Crops have a fast turnover in capital. There is no capital loss involved. You can get back all your operating expenses within a few months. Price supports are favorable to crops. But weather risks become larger when we have a large crop carry-over. A short crop doesn't produce the off-setting price rise then.

Dairying is a low-risk enterprise for a man already in business. Money comes in regularly—it isn't like feeding cattle, where the sale is made all in one shot several months or a year later. Besides, much of the price decline already has come in dairy prices. There is the risk of a capital loss in the value of the cows, however.

Poultry has a low capital risk to the extent that you use equipment and housing you already have. Sales are made regularly with poultry, too. But the poultry outlook isn't as favorable as dairy—the government has been supporting egg prices much of the time in recent years. So go slow on expanding your poultry business.

Hogs have a somewhat higher risk. Hog income doesn't come in as regularly as from dairy and poultry. There is risk of capital loss on breeding stock—altho not as great as with dairy or beef cows.

But hogs rank high in turning corn efficiently into meat. So they have a high place on the list for the man who is a skilfull hog man.

Cattle feeding ranks highest in risk. Feeding cattle ties up a lot of money. That is risky when prices are falling.

Here is the commodity outlook in a nutshell:

HOG prices probably have passed their spring peak. Spring price rise wasn't very high—so, as long as business holds up, there probably won't be too sharp a spring drop.

CATTLE price spreads between fat cattle and feeders are very narrow. Buying cattle to grain-feed on grass looks better than to just "summer" on grass.

LAMBS are selling very high. Push early lambs to take advantage of these high prices.

DAIRY prices are protected by government price support for butter and dried non-fat solids.

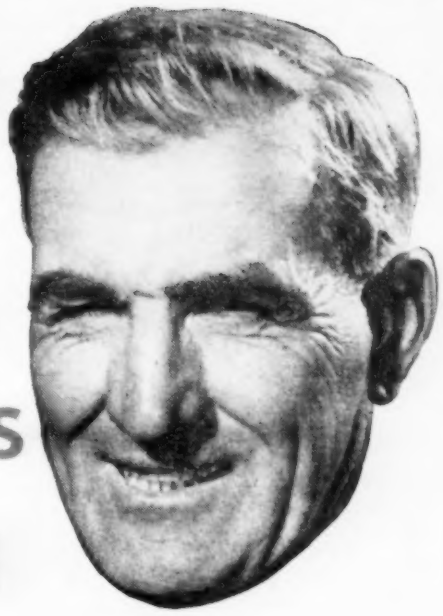
EGG prices have been supported since January. This should hold eggs near present levels. Supports will be lower next year. It is almost too late now to buy chicks if you want to cash in on the peak prices for big eggs next October and November.

GRAIN prices will depend mainly on how weather affects new crop prospects.

"I'm not so sure he's the man for the job."

MIDWEST FARMERS:

Here's how to increase your yields and realize more profits



FOLLOW THE ORTHO PROGRAM

FOR WEED CONTROL . . . These ORTHO Products are being used by the CORN and GRAIN FARMERS and also STOCKMEN everywhere with proven results in increased yields, crop quality, better pastures and ranges.

ESTERCIDE T-245
(ESTER 2,4,5-T)
The newest in weed killers. Especially designed to control woody plants that have shown resistance to 2,4-D. Mixes readily with water or oils and can be used in a combination spray with ESTERCIDE 330.

ESTERCIDE 330
(ESTER 2,4-D)
Mixes readily with water and is soluble in oil; can be used as a selective spray in growing crops, but is used mainly for control of hard-to-kill perennials in summer fallow, stubble, pasture, range or wasteland.

WEED-B-GON 64
(AMINE 2,4-D)
Mixes readily with water and is suitable for application in all types of equipment; recommended principally for use as a selective spray in pastures and standing grain or grass-seed crops, but also used as a non-selective spray in summer fallow, stubble, or wasteland; safer to use than an ester, if easily damaged crops are growing nearby.

Here are other outstanding ORTHO pest control products:

FOR SOIL TREATMENT: Reduce annual seed loss in corn by treating the soil or seed for control of CORN ROOT WORM, CORN MAGGOT and WIREWORMS by using ISOTOX Sprays or Dusts.

ALFALFA, CLOVER, and many other GROWING FORAGE and SEED CROPS can be increased as high as double by applying VAPOTONE and other ORTHO Sprays and Dusts to control insects.

BEEF CATTLE and HOGS need both Fly and Mange control—Use ISOTOX Wettable or GAMTOX Wettable. ISOTOX gives you fly control where DDT has failed. (ISOTOX is also compatible with DDT.)

FOR DAIRY CATTLE and BARNS, you want ISOTOX to control Flies and Mange, for best results.

ISOTOX Spray and Dust
contain a remarkable pest killer . . . the technically pure Gamma Isomer of Hexachlorocyclohexane. It is practically odorless. GAMTOX is used in pest control work where flavor is not a factor.

VAPOTONE Spray and Dust
(Containing TEPP)
is a well accepted and proved product. Extensive field usage has shown its value for effective and economical pest control.
VAPOTONE decomposes shortly after application so no poison residue remains on crops.

Control GRASSHOPPERS with ALLTOX (Toxaphene)
or ORTHO-KLOR (Chlordane)
Control CORN BORERS with PEST-B-GON (DDT)
or PERSISTO (DDT)

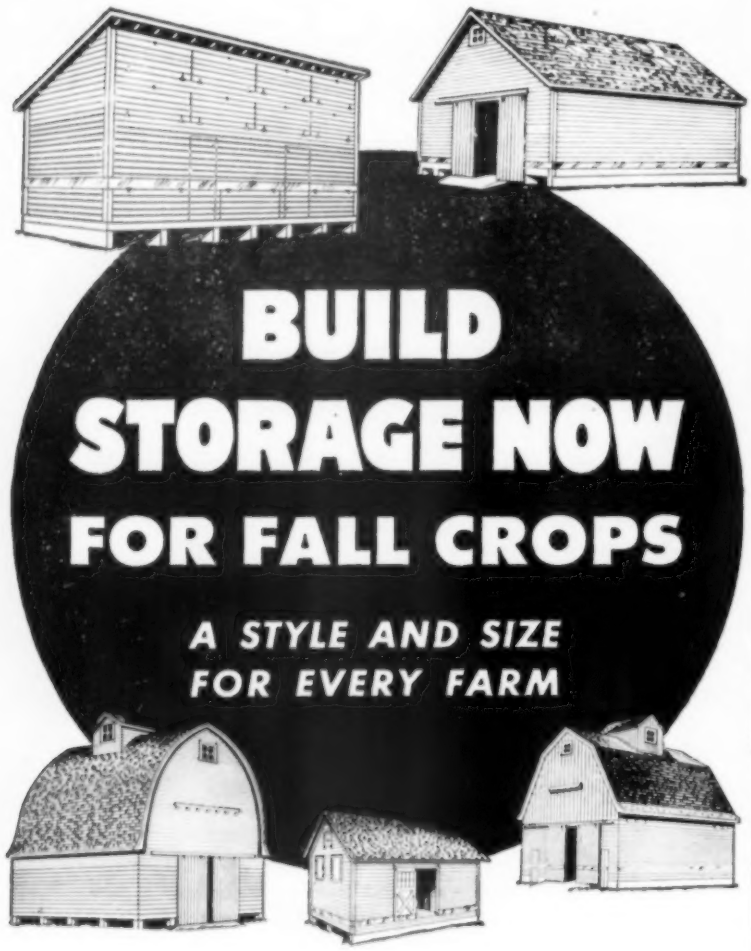
ORTHO DEALERS SUPPLY YOU — ORTHO FIELDMEN ADVISE YOU! *Send for literature.*

ORTHO SCIENTIFIC PEST CONTROL

CALIFORNIA SPRAY-CHEMICAL CORP.

705 Walnut St., Kansas City, Mo., Phone Grand 5126

ORTHO, WEED-B-GON, PEST-B-GON, PERSISTO, ISOTOX, GAMTOX, VAPOTONE TM's Reg. U. S. Pat. Off.



BLUEPRINTS ARE READY

See your

WEYERHAEUSER 4-SQUARE LUMBER DEALER

Grain storage is going to be a problem this year.

Whether you need a large permanent granary or small "knock-down" boxes on skids, you can find exactly the plans you want through the Weyerhaeuser 4-Square Farm Building Service. Illustrated above are five typical storage structures included in this Service. Each one meets fully all the requirements for safe storage on the farm.

Through this Service, you get the benefit of expert engineering applied to design and construction. Storage structures are planned to meet all load requirements . . . to be tight, sound, vermin-proof and weather-proof. Detailed blueprints and material lists, easy to follow, are immediately available through your Weyerhaeuser 4-Square Lumber Dealer.

Would you like to study these plans in detail, and select the one that fits your special needs best? See your lumber dealer. He'll be glad to assist you in every possible way. Or mail the coupon below for illustrated book picturing crop storage and many other farm buildings.

WEYERHAEUSER SALES COMPANY
SAINT PAUL 1, MINNESOTA

WEYERHAEUSER SALES COMPANY WF 449
2224 First National Bank Building, St. Paul 1, Minn.

Please send me the Free Farm Building Book.

Name _____

Address _____

Town _____ State _____

WEYERHAEUSER 4-SQUARE
LUMBER AND SERVICES

Hog Feeder being built by Marion Steddom, Polk county, Iowa, is 10x12, has capacity of 180 bushels. Steddom raises 700 pigs each year, divided evenly between spring and fall farrowings.

First Aid for Stock

Blackleg Germs Live In Soil

To the Editor: We plan to run our cattle on some land where several cattle died last year of blackleg. Do blackleg germs live in the soil? Should we vaccinate before turning our cattle in?—G. H., Emmet County, Iowa.

Blackleg germs may have been in the soil of the land where the cattle died last year. The germs can live in the soil for years.

So it would be wise to vaccinate all cattle over four to six months of age and under two years before you turn them out.

What Treatment For White Scours?

To the Editor: We are anxious to get some information on white scours in calves—the treatment, prevention, etc.—R. A., Hardin County, Iowa.

There is no one treatment for so-called "white scours." This seems to be the term all stockmen apply to all the scours of infant animals.

True white scours is caused by infection of the mother with the brucella germ. While she does not abort, the calf is so weakened in gestation that it can't stand the rigors of outside life. It soon starts to scour, may get pneumonia, then dies.

White scours is sometimes controlled by the use of an anti-white scours serum on the infant calf. On other places, it is handled by a sanitation program: Prepare a clean, well-bedded maternity stall. Wash the cow's teats and udder. Let the calf get plenty of colostrum, or first milk.

Colostrum is highly important to the infant calf. It is 10 times richer than ordinary milk in Vitamins A and C. It is nature's protection against the virulent germs that cause indigestion and scours.

Each case therefore needs some individual study. Lack of colostrum, brucella germs, poor ration for the mother cow, poor sanitation—all could have some effect on the infant calf's infection.

Milk Is Thick And Clotted

To the Editor: My father has a cow that gives thick milk that will not run thru the separator strainer. What is the cause, and what can be done for it?—F. D., Shelby County, Iowa.

When milk is abnormally thick or clotted as it comes from the udder, it usually means the cow suffers from inflammation of the udder, or mastitis.

There are many causes for this condition. It can be from a bruise, or chill, or an overfeeding on rich foods. When the udder has low vitality from any of these causes, it can not resist infectious germs. When these germs grow in the milk cistern, the result is this abnormal milk.

Treatment varies according to the inflammation. It is usually best to call in an experienced veterinarian. Some cases are cured by injecting penicillin into the milk cistern. Others respond better to some of the sulfa drugs.

Other cases are cleared up by injecting penicillin into the udder and giving the cow sulfa by the mouth.

Do not handle this udder and then move on to a healthy cow without first washing your hands thoroly. This disease can be spread by hands or by the teat cups of a milking machine. It can also spread thru milk spilled on the barn floor.

Does Spaying Give Heifers Setback?

To the Editor: Does spaying have any ill-effects on a heifer immediately after the operation? Can any veterinarian do this job?—G. M., Cedar County, Nebraska.

Any veterinarian who has had a good course in surgery is competent to spay heifers.

Heifers seem to suffer but little shock or after-effect when this operation is done by a good veterinarian. Cattle are able to stand opening of the belly cavity quite well.

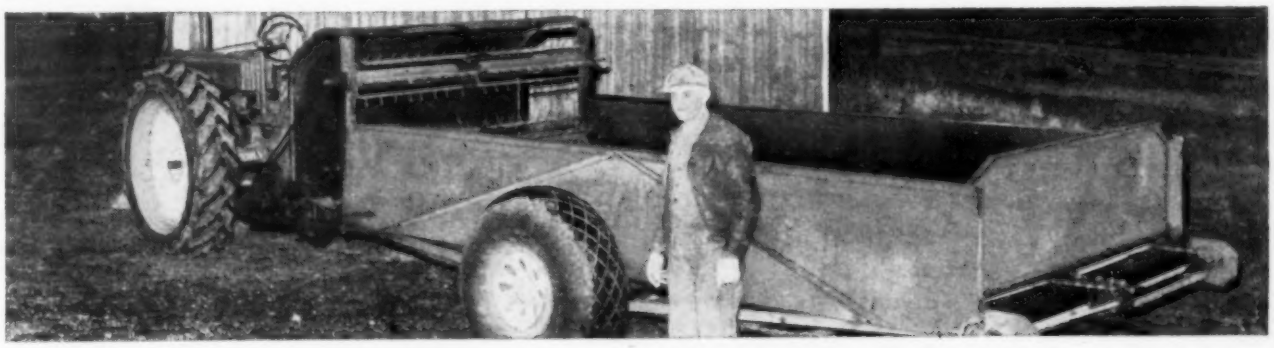
STANDARD

FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company

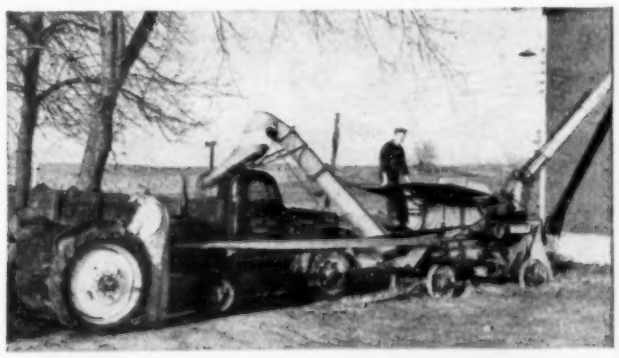
Top money is nothing new to Leon Frantz of Grand Junction, Iowa—shown here with two of his Hampshire sows. In the last 2 years, Leon sold 2 Hampshire boar pigs for the highest prices in the U.S.A. Leon knows that quality pays. He uses Permalube Motor Oil in his tractor, says he's impressed by how Permalube protects his engine and keeps it clean at the same time.

The herd that gypsum built. Marion Tippetts and "helpers", Big Horn County, Wyoming, with Herefords "wintered" last year on a field reclaimed from wasteland by use of gypsum from nearby hills. 22 acres were leveled and treated. On the very poor spots, 50 tons of gypsum per acre were used. The average was 10 tons. Thus land formerly considered worthless now yields a profitable harvest to its resourceful owner. Marion runs his truck and tractor on Red Crown Gasoline. "I get less oil dilution with Red Crown," he says, "and it's packed with power!"



From an Army B-29 came the tires for this 18-foot-long mint wagon. They carry low pressure, which allows a larger tire area to contact the ground. This prevents the wheels from making ruts as John Laidig, Mishawaka, Ind., harvests his 100 acres of mint. John pulls the wagon with a tractor using Red Crown Gasoline and Permalube Motor Oil. He likes Red Crown's easy starting, says Permalube prevents breakdowns.

Star farmer of America, nineteen year old Kenneth Le Wayne Cheatham, of Smithboro, Illinois, received his Future Farmers of America honor at the Kansas City convention last November. Since 1943 Kenneth has netted over $9,000 in rural youth programs. He now farms 257 acres, and in 1948 had 38 hogs and 27 dairy cattle. Discussing proper operating adjustments of his new tractor, he is shown with D. C. Carnes, Standard Oil Automotive Engineer.



Father and son. Fred and Harold Abey, of Evansville, Wisconsin, win prizes with purebred Holstein dairy cattle and Duroc-Jersey pigs. Here, they handle corn with a tractor-powered husker-and-shredder. Fred says, "We know from experience that Permalube Motor Oil is just right for tractors. It's long-lasting, and it cuts our repair bills by helping to prevent breakdowns."

Win $5.00. Send your farm pictures with descriptions to Standard Oil Farm Photos, 910 South Michigan Ave., Chicago, Illinois. For each picture that we use in the News-Graphic we'll pay you $5.00. Thanks a lot!

Your Standard Oil Man

One ball of IH Baler Twine ties approximately 250 bales of hay or straw. This free-running twine averages 270 pounds tensile strength.

FOR BUNDLES AND BALES THAT *STAY* TIED—

USE IH TWINE

Yes, bundles and bales are tied firmly . . . *and they stay tied*, when you use IH Binder and Baler Twine. This quality twine is specially treated to repel hungry insects and rodents.

Yet this emulsion treatment does not affect the flavor, aroma, or appearance of the crop which IH twine ties. Moreover, the IH treatment produces unusual resistance to rot and mildew.

The world's most suitable proven blend of twine fibers goes into IH baler and binder twine. Workmen highly skilled in the twinemaker's art guard IH twine quality at every step. Accurate and continual tests are behind the IH guarantee of twine *length*, *strength*, and *weight*.

Using IH twine in your twine-type baler and in your grain or corn binder is dependable assurance that you will get firm bales or bundles that defy weather and pests—*and stay tied*.

Order your baler and binder twine now from your IH dealer.

INTERNATIONAL HARVESTER COMPANY
180 North Michigan Avenue • Chicago 1, Illinois

The IH ball of Binder Twine features the self-supporting, criss-cross cover that does not collapse. You use this twine to the last foot! No kinks or tangles, no thin, uneven spots.

Want Clear Water In Cistern?

Don't Cuss The Birds; Put In Cut-Out And Filters To Keep Dirt, Soot Away

To the Editor: Please tell me how to build a cistern filter to keep soot and other impurities out of the cistern.—F. H., Linn County, Iowa.

THERE are different ways to keep your cistern water clean. The method you choose will depend on what you use the water for, how clean you want it, and how much you are willing to spend.

A simple device that will keep a lot of soot and trash out is the washer cut-out. This is a by-pass valve in the down-spout which you can turn to send the first water from the roof into the waste spout.

All soot, dust, bird droppings, etc., run off with the first water. Then you turn the valve, and clean water goes into the filter and cistern.

You can get a washer cut-out from most plumbers or hardware dealers. It should be kept in the off position during dry spells—then the dirty first water will always go into the waste spout.

Most common way to keep cistern water clean is the sand filter. This usually is a concrete box three feet square and three feet deep. The drawing shows the general construction.

A drain is set in the bottom and is screened over with a cap of very fine copper wire. Above this is a six-inch layer of sand, then a six-inch layer of coarse charcoal.

On top of the charcoal is about 18 inches of clean, fine sand. A few inches of coarse sand or gravel will help keep the fine sand from washing. You will probably need to keep extra sand around. The top couple of inches should be removed after a heavy rain, and new, clean sand added.

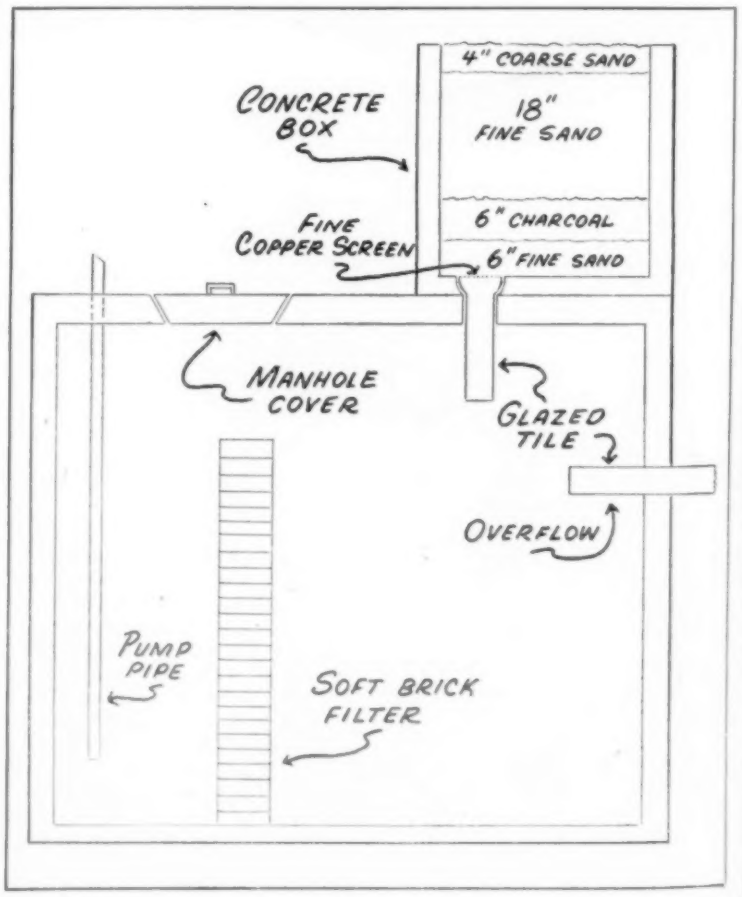
If you want clear, pure rain-water with no color or taste, you should build a soft brick filter in the cistern. This is in addition to the washer cut-out and the sand and charcoal filter.

The brick filter consists of a wall across the cistern to a height slightly above the overflow. Select good bricks, and cement the joints carefully with rich mortar.

The water is fed into the larger compartment from the sand filter. Then it filters thru the soft brick wall into the delivery or pumping side.

Some plans show a small beehive shaped closed chamber in the bottom of the cistern as a pumping chamber. This should be avoided, since silt will collect slowly inside the chamber. And you won't be able to clean it out.

Be sure to build your cistern and brick wall so you can get inside both chambers and clean them. Only then can you have clear, pure rain-water over a long period of years.



Engineer's drawing shows layout of sand-box and soft brick filters. You could save work and avoid possible contamination by using a different manhole. Raise the edge of platform around hole. Then put a flat cover on the raised edge. It will keep dirt, surface water out and will be easier to build than a beveled and fitted cover.

Hub caps available at extra cost.

Excitingly MODERN! Strikingly DIFFERENT!

★ 2 NEW BIG JOBS!

Biggest Ford Trucks ever built! 145 H.P. engine! Up to 21,500 lbs. G.V.W.! Up to 10.00-20 tires!

★ NEW MILLION DOLLAR TRUCK CAB!

With living room comfort! Biggest contribution to driver comfort in 20 years! New 3-way air control. New coach-type seats. New picture-window visibility! New Level Action cab suspension!

★ 3 NEW TRUCK ENGINES!

A new Six, two new V-8's! Most modern engine line in the truck field! Up to 145 H.P.! High turbulence combustion chambers! New Loadomatic Ignition! 4-ring pistons!

★ OVER 139 NEW MODELS!

Widest job coverage in Ford Truck history! Cab-Over-Engine and conventional chassis! Panel, Pickup, Express, Stake and Platform bodies! G.V.W. ratings 4,700 lbs. up to 21,500 lbs.

Listen to the Fred Allen Show, Sunday Evenings—NBC Network. Listen to the Ford Theater, Friday Evenings—CBS Network.

Hottest truck line in history . . . from the Leader in Trucks Built and Truck Know-how!

Our trucks are red-hot! That's because they're brand new! Ford *Bonus Built* Trucks for '49 are brand new in every important way but one!

Big exception is truck-building know-how! That isn't new with us! We've been building trucks for over 30 years! We've built more trucks and picked up more truck know-how than anyone else!

From a combination of the NEW in truck engineering and the KNOW-HOW of truck experience, you get new thrift! . . . new performance! . . . new reliability!

In Ford Trucks you get *Bonus Built* construction, the extra strength that pays off two ways. First, Ford *Bonus Built* Trucks are not limited to just one job, but are good all-around workers in a wide range of jobs. Second, Ford Trucks last longer. Life insurance experts using latest registration data on 6,106,000 trucks, *certify* proof that Ford Trucks last longer!

Drop in on your Ford Dealer to size-up the new engine . . . new cabs . . . new BIG JOBS . . . over 139 new models in the biggest Ford Truck line in history!

FORD 1949 *Bonus Built* TRUCKS 1949

BUILT STRONGER TO LAST LONGER

Using latest registration data on 6,106,000 trucks, life insurance experts prove Ford Trucks last longer!

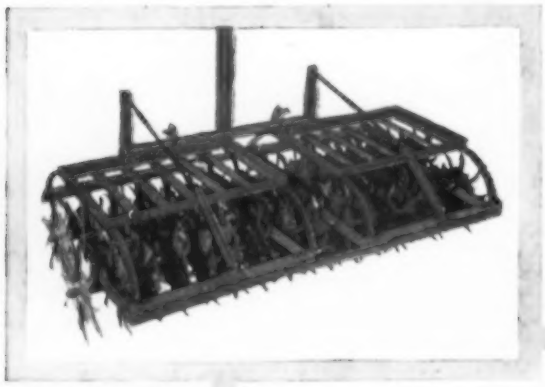
FORD DEALERS OF IOWA

Dearborn
FARM EQUIPMENT

DEARBORN CULTIVATING IMPLEMENTS

for the FORD TRACTOR

Can be attached to the Ford Tractor—in one minute and detached as quickly—saves time in busy cultivating season, speeds changing to other jobs. Ford Tractor Hydraulic Touch Control means easy lifting, lowering and depth selection.



DEARBORN ROTARY HOE

Revolving steel fingers really get the weeds. 7 ft., 4 in. width, cultivates about 30 acres a day of row crops, also small grains. Gangs reverse for seedbed preparation in stubble mulch farming. Ford Tractor Hydraulic Touch Control permits skimming the surface or deep work as desired.

DEARBORN RIGID SHANK CULTIVATOR

Attached to Ford Tractor in one-minute, detached as quickly to free tractor for mowing and other jobs. Lifts, lowers by Ford Tractor Hydraulic Touch Control. Accurately follows easy steering by front axle steering guide. Shanks easily spaced for row widths. High Dearborn quality.

DEARBORN SPRING SHANK CULTIVATOR

Similar to Rigid Shank but with spring shanks for stony or root filled land. Same one-minute attaching and uniform depth cultivating by Ford Tractor Hydraulic Touch Control.

Ford
TRACTOR

See your nearby Ford Tractor dealer for this equipment, genuine parts and expert service. He wants to know you better to serve you better.

DEARBORN MOTORS CORPORATION
Detroit 3, Michigan

COPYRIGHT 1949, DEARBORN MOTORS CORPORATION

Ford Farming MEANS LESS WORK . . . MORE INCOME PER ACRE

Do You live on a road like this? Iowa's legislature has set up a 20-year program to take farmers out of the mud (see below).

When Will You Get Out Of Mud?

Legislature Adopts Program Designed To Finish Road Job Within 20 Years

THAT mud road of yours is going to be "rocked" or shaled—sometime within the next 20 years.

That's the promise implied in a new road-financing program set up by the Iowa legislature.

In case you're thinking, "So what? I may not live that long," the 20-year program may not be as bad as it sounds. It's true that it leaves a lot of country road problems still unsolved. But supporters of more state help for secondary roads agree it's a step in the right direction.

What the legislature has done about roads goes back to a plan worked out last year by a road study committee set up by the 1947 legislature.

This committee figured it would take 88 million dollars a year for 20 years to put all Iowa roads in good shape. About 33½ million of this would come from local property taxes and from the federal government. The rest—54½ million—would come out of the state treasury.

The 54½ million in state money, the committee said, should be divided like this: 48½ per cent for primary roads; 45 per cent for secondary roads; 6½ per cent for city streets.

But farmers, led by the Iowa Farm Bureau Federation, said this wasn't a fair split. Secondary roads, they said, have been getting more than that—about 52 per cent.

What the 1949 legislature has done is to work out a compromise.

First, it set up a new fund—called the road use tax fund—into which it put the 40½ million dollars in state money now being spent on roads. Then it brought this fund up to the 54½ million asked by the road study committee—by transferring some sales tax and license fee money from the state general fund, and by raising license fees on cars, trucks and farm wagons and trailers.

Then the legislature said this fund should be divided like this: 50 per cent (about 27¼ million) to secondary roads; 42 per cent to primary roads; 8 per cent to city streets.

Next, the legislature decided to split the 50 per cent for country roads this way: 35 per cent to secondary roads that don't get federal aid, divided on an area basis (the bigger the county, the more money it gets); 15 per cent for secondary roads that do get federal aid (called farm-to-market roads), divided 9 per cent on an area basis, 6 per cent on a need basis.

All this boils down to a small increase in state aid for secondary roads—up from 21 million to 27¼ million. More important, it gives permanence to the idea that country roads should get their share of state road money.

But farmers still will be asking these road questions:

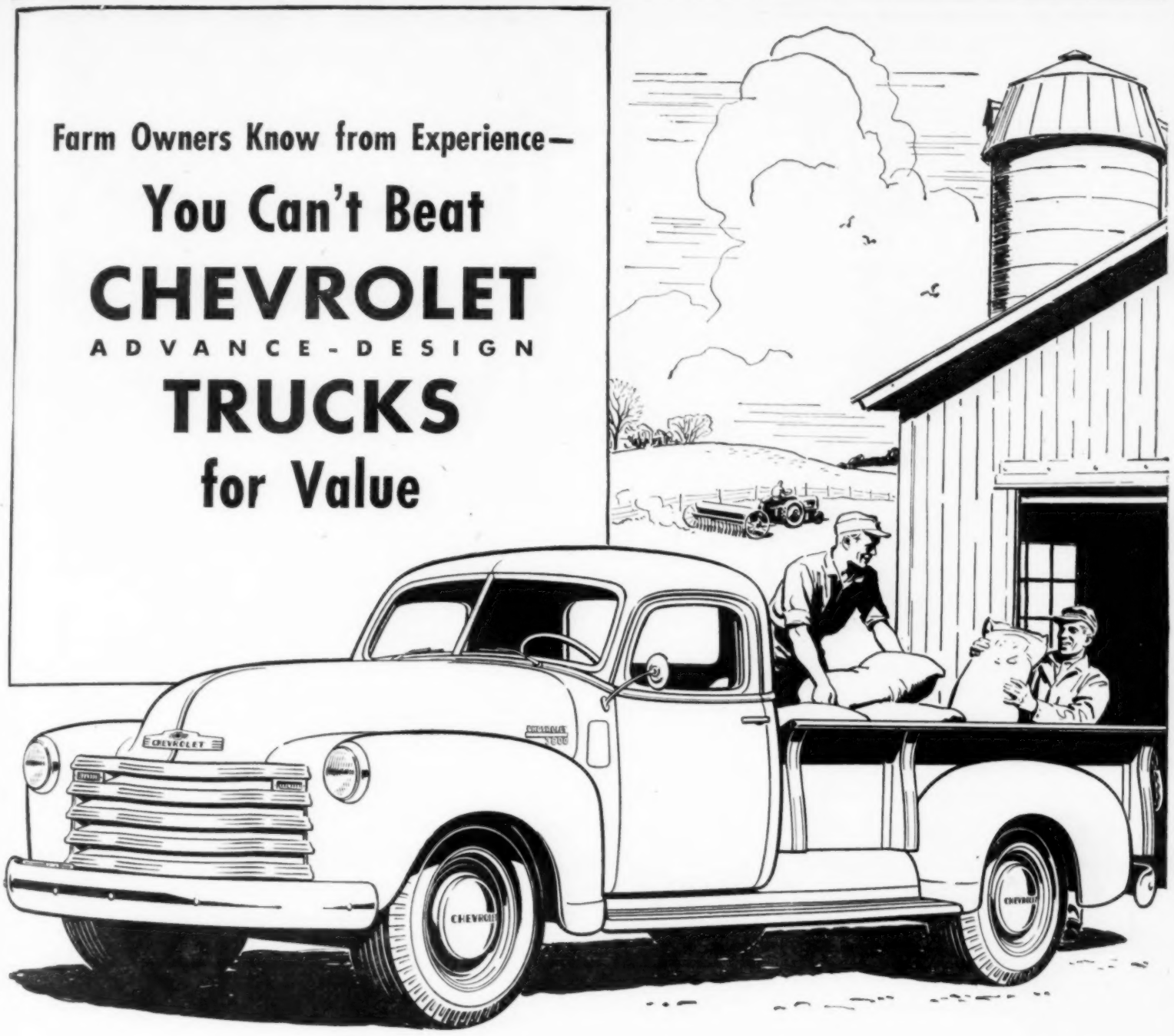
1. Shouldn't southern Iowa get more road help than northern Iowa? Southern Iowa farmers argue that rough land and a lack of materials nearby make road building much more expensive in their area. The legislature has decided this argument doesn't hold much water—except as to a very small part (6 per cent) of state funds.

2. Are road-building standards too high? Some farmers say more roads could be built if they weren't made quite so fancy. But the state highway commission has a lot to say about standards. Presumably, it will take a change of heart on the commission's part to cut road costs.

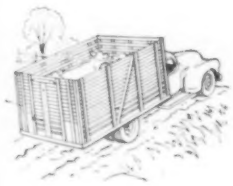
3. Are the right roads being worked on first? Many farmers complain that road building in some counties follows a rather haphazard plan—without too much regard for actual need. This is mostly a county problem. The Iowa Farm Bureau has suggested that committees of farmers should help boards of supervisors make up their road-building plans. But nothing has been done about setting up such committees—or about making supervisors take their advice.

Farm Owners Know from Experience—

You Can't Beat CHEVROLET ADVANCE-DESIGN TRUCKS for Value



No other line of trucks offers Chevrolet's big combination of champion values! That's why *more* Chevrolet trucks sell . . . *more* serve than any other make!



4-SPEED SYNCHRO-MESH TRANSMISSION

Operation is easier, quicker and quieter and you can maintain speed and momentum on grades with this new transmission. It is on all series 3800 and heavier duty models.

ADVANCE-DESIGN GEARSHIFT CONTROL

There's new operating ease in all models with 3-speed transmission. You can shift with your fingertips!

FOOT-OPERATED PARKING BRAKE

New clear floor area! This unique brake provides unprecedented safety and convenience in models with 3-speed transmission.

IMPROVED VALVE-IN-HEAD ENGINE

Greater durability and efficiency is featured in this famous proved engine, the world's most economical for its size!

SPLINED REAR AXLE HUB CONNECTION

Greater strength and durability in heavy-duty models! This important new feature means a longer, more economical life for your heavy-duty truck.

Be convinced. Take everything into account—appearance, durability, ease of handling, power with economy—every feature in body, engine, cab and chassis! Add them up and you'll agree with other farm owners that Chevrolet trucks lead the lot! And look at the leader's economy! No other trucks in the world have Chevrolet's 3-WAY THRIFT—low-cost operation, low-cost upkeep and the *lowest list prices in the entire truck field!*

CHEVROLET MOTOR DIVISION, GENERAL MOTORS CORPORATION, DETROIT 2, MICHIGAN

CHEVROLET

ALSO the cab that "breathes"* • Uniweld, all-steel cab construction • All-round visibility with rear-corner windows* • New, heavier springs • Full-floating hypoid rear axles on 3600 series and heavier duty models • Specially designed brakes • Hydrovac power brakes on 5000 and 6000 models • Ball-bearing steering • Wide base wheels • Standard cab-to-axle dimensions • Multiple color options.

*Heating and ventilating system and rear-corner windows with de luxe equipment optional at extra cost.

CHOOSE CHEVROLET TRUCKS FOR TRANSPORTATION UNLIMITED

Rely on Du Pont

2,4-D Weed Killers

to destroy weeds anywhere

Selective: Control weeds in grass, grain crops, corn. Du Pont Weed Killers are effective with little danger to crops when used properly.

Adaptable to any equipment: For either low- or high-gallonage sprayers.

Effective anywhere: Kill many annuals, perennials and many woody plants. Du Pont Weed Killers meet all your needs.

For low-cost weed control: Just pick the right Du Pont Weed Killer for the weeds you want to kill, in crops or out. Ask your Du Pont dealer for exact recommendations.

Now! Kill Quack Grass and many other grass weeds with new Du Pont 60% Sodium TCA Weed Killer. Ask us about it.

GET GREATER RETURNS with these Insect Killers

MARLATE (Methoxychlor): New, quick acting, long lasting against flies, mosquitoes, lice, etc., yet has unusually low toxicity to warm-blooded animals. Also excellent on crops.

LEXONE (Benzene Hexachloride): Kills nits and adult lice in one application. Also destroys mange mites as well as flies, mosquitoes, ticks.

DEENATE DDT: Outstanding Du Pont formulation, gives long-lasting control. Also for lygus bugs, corn borer, other crop pests.

(All these products come as wettable powder)

***SEE YOUR DEALER NOW** and be sure you have supplies when you need them. Ask him for free Du Pont booklets, or write to Du Pont, Grasselli Chemicals Dept., at one of the addresses below:*

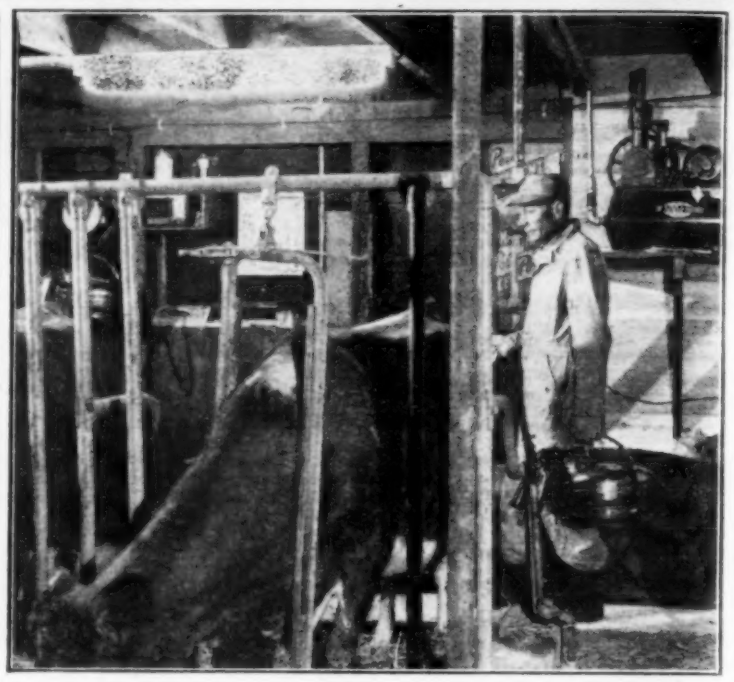
112 West Ferry St., St. Louis 7, Missouri
or
2101 Canalport Avenue, Chicago 8, Illinois
or
1207 Foshay Tower, Minneapolis 2, Minnesota
or
Wilmington 98, Delaware

DU PONT
REG. U. S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

DU PONT CHEMICALS FOR THE FARM INCLUDE: *Fungicides:* PARZATE* (Liquid and Dry), FERMATE*, ZERLATE*, Copper-A (Fixed Copper), SULFORON* and SULFORON*-X Wettable Sulfurs—*Insecticides:* DEENATE* DDT, MARLATE* (Methoxychlor), LEXONE* (Benzene Hexachloride), KRENITE* Dinitro Spray—*Weed Killers:* AMMATE*, 2,4-D, TCA and Dinitro Weed Killers—*Also:* Du Pont Cotton Dusts, Du Pont Spreader Sticker, PARMONE* Fruit Drop Inhibitor and many others

*REG. U. S. PAT. OFF.

[On all chemicals always follow directions for application. Where warning or caution statements on use of the product are given, read them carefully.]



Fluorescent lights were added by Hans Barkema, Hamilton county, Iowa, when he remodeled his dairy barn. The job also included new insulation, storm doors, new stanchions for his 10 cows.

Vaccination Helps Stop Bang's

Little Progress Toward Control Is Being Made Thru Test-and-Slaughter Plan Alone

THE Bang's disease situation in Iowa is not a pretty picture. Here's just one instance:

Two herds of milk cows down one road have had to be sold out and a new start made, because of brucellosis. Farms don't join—but the same creek flows thru both.

A technician for an artificial breeding association in Iowa estimated a year or so ago that one-fourth of the herds he worked with were infected.

Says an official of one national group: "Bang's is the Number One disease of cattle and hogs and goats in this country, and is a serious menace to humans."

What can the individual livestock man do about Bang's?

Iowa has had the test-and-slaughter plan in force for several years — with indemnity payments for reactors. But test-and-slaughter alone just isn't getting the job done.

Iowa has many more cattle than a lot of other states. And more than 1,500,000 head are shipped into the state each year, mostly to feed-lots. Says Dr. H. U. Garrett, state veterinarian: "Eradication is impossible when so many are passing thru."

Experts now generally agree that calfhood vaccination is the way out. In Iowa, you can sign up with the state department of agriculture for calf vaccination, either with or without herd testing. You pay for vaccination—but not for the testing, if you choose that, too.

What is the advantage of signing up just for vaccination? Why not do it on your own, as long as you pay the vet anyway?

For one thing, by signing up you get the privilege of selling "official vaccinates" for out-of-state shipment, with no retest required for 38 months. Official status is given your vaccination program, at no extra cost.

Also, you can start with vaccination only and change over to a test-and-slaughter plan any time you like.

Of course, present vaccine has one weakness: Some heifers never clear up following vaccination. Their blood continues to show a positive reaction to the agglutination test. Attempts to solve this problem are being made, but new vaccines and new tests are not yet generally available.

Even so, here are some of the things you can expect from a program of calfhood vaccination:

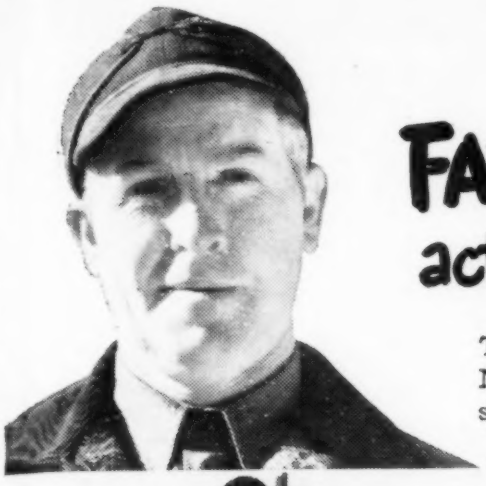
Heifers should receive resistance (not immunity) to brucellosis for a period of about three years. A heifer might even develop immunity against light exposure for life.

Calfhood vaccination has never been known to cause brucellosis or breeding trouble in an animal. Strain 19 vaccine is a weak form of brucellosis, to be sure. But an animal vaccinated with it can withstand an attack of the real thing—if she isn't exposed to too "hot" an infection.

Even with vaccination, good herd management still is needed. Watch for signs of premature calving. Keep an aborting cow away from the herd. Destroy the fetus and disinfect the premises.

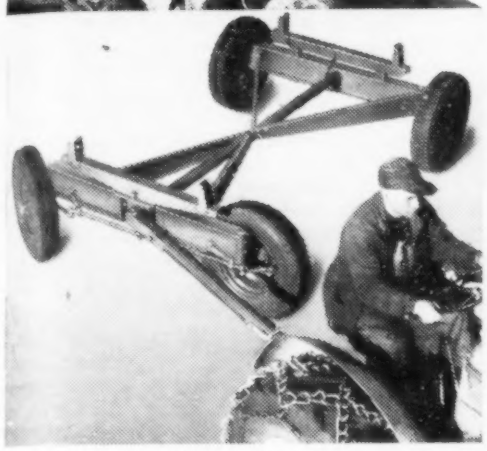
Testing still has its place along with vaccination. For one thing, Iowa requires pre-testing of calves—to show they are already clean—before they can be called "official vaccinates." And it is wise to test cows that abort, and discard them if they show a positive reaction. It's smart, too, to insist on tests for all cows you buy.

Then, eventually, as older cows are disposed of, your entire herd will consist of official vaccinates.

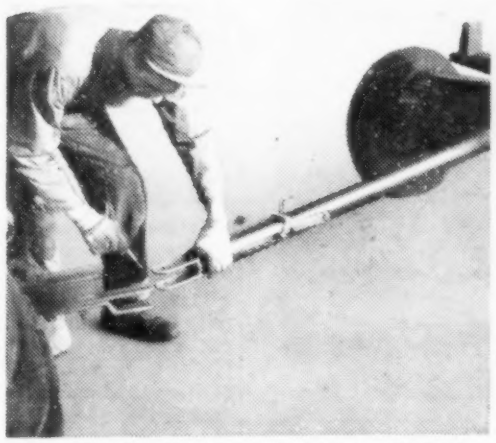


"It's new!...this FARMHAND "90" WAGON actually turns in its own length!"

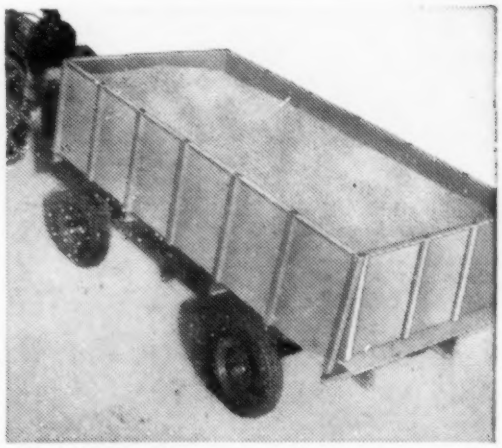
THE FIRST major development in farm wagon design in years! Makes full 90° turns under capacity loads with no tilting . . . no skidding . . . no backing up. And look at these other great features!



RIGHT ANGLE TURNS with constant support under load . . . with no cramping or tipping or danger of bending tongue. This outstanding FARMHAND "90" Wagon follows normal turn of *any* row crop tractor. Turning radius is length of wagon. Wagon pivots on rear wheel. An exclusive FARMHAND design!

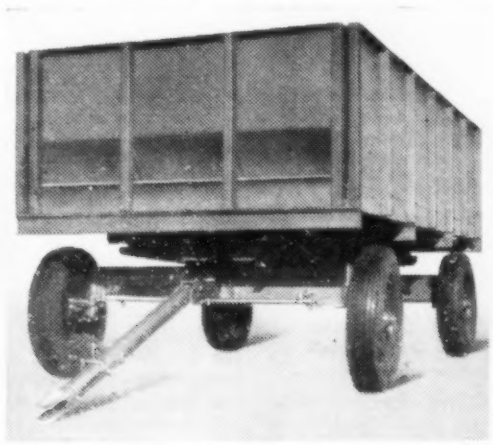


NEW! QUICK HITCH EXTENSIBLE TONGUE for easy, positive hitching in seconds! Just back tractor up and *pull out* tongue extension to tractor hitch. Drop in bolt, back tractor to lock tongue extension . . . then off you go! It's another of the outstanding features that make the FARMHAND "90" the wagon everybody wants!



72" EXTRA-WIDE CONSTRUCTION . . . 8" - 10" wider than other standard wagons. Straddles corn rows, accurately follows track of row crop tractor for easy pulling. The FARMHAND "90" Wagon provides rock-solid stability under heavy loads with its extra width, yet meets all standards for road hauling.

BUILT L-O-W for easy loading . . . can be used with farm elevator hoist for dumping load. Fits all standard wagon boxes and hay racks. Length is adjustable from 8' to 12' at 1' intervals with steel bolts to lock reach safely and securely in position . . . even at full length for hauling pole wood. Rear reach hitch for wagon trains.



STURDY STEEL THROUGHOUT with front and rear bolsters adjustable for width. Front bolster can be easily changed from fixed type to rocking type. Heavy duty bolsters are of formed steel . . . wide and smooth so they won't damage box. Stake pockets for pole wood supports. The FARMHAND "90" is built to last.

MADE BY THE MAKERS OF THE FARMHAND Hydraulic Loader . . . so you know it's top quality with every important design improvement you could ask for. See your FARMHAND Dealer about the FARMHAND "90" Wagon and earliest delivery dates. And get the facts on the FARMHAND Loader. You'll want one . . . sure!

Look at these features!

Full 90° turn with no slipping or backing.

Follows normal turn of *any* row crop tractor.

Low construction for easy loading.

72" extra width for easy row crop use.

Adjustable length—8' to 12'.

Rubber auto tires—600x16 to 700x16.

Adjustable—fixed or rocking front bolster.

Stake pockets (can be bolted) for pole wood supports.

Timken roller bearings with dust caps and grease seals.

Automotive type steering with replaceable bushings.

Weight 570 lbs. Capacity up to 5 tons.

Farmhand "90" Wagon

Write us for more information and name of nearest dealer

Farmhand "90" WAGON

SUPERIOR SEPARATOR COMPANY • HOPKINS, MINNESOTA • Farm Machinery Specialists

SEE

Life-like pictures of pests!
Actual insect damage to crops!
How to recognize diseases!
How to control noxious weeds!
What to do about your plants!

THIS GREAT NEW BOOK

tells the whole story on insects and plant diseases and what to do about them.

110 PAGES ONLY 20¢

NOW get bigger crops, more fruit, flowers, vegetables. Now protect your crops, livestock, garden. Now at last get the facts you need. Read this handy illustrated Pest Control Guide.

The book everyone
Farmer, Small Gardener, Home Owner, Landscape Gardener, Groundskeeper, Yardman
has been waiting for!

★ **110 EASY-TO-READ PAGES** crammed with valuable facts and sure-fire remedies.

★ **16 BIG SECTIONS** organized for quick reference on Grain, Vegetables, Fruit, Livestock, Ornamentals, Pets, etc.

★ **300 CLEAR PICTURES**—many by a famous illustrator—so you can identify pests and diseases and the damage they do.

★ **4,000 MAN HOURS**—nearly two years' work by top-notch entomologists to make this book *complete, practical.*

★ **WORTH THOUSANDS OF DOLLARS TO YOU** in crops, livestock, property saved. Covers all major insects and diseases.

SHERWIN WILLIAMS Agricultural CHEMICALS SERVICE CENTER

Your Sherwin-Williams Agricultural Chemicals Service Center Dealer has this book and the S-W "Superior Formulation" products too. Drop in and get acquainted. He can be a good friend. Or simply send 20¢ in dimes to cover costs on the Pest Control Guide to:

SHERWIN-WILLIAMS
Agricultural Chemicals Division
1295-I Midland Building
Cleveland 1, Ohio

SHERWIN-WILLIAMS
AGRICULTURAL CHEMICALS
Protecting the Food Crops of America

Washington Wire

Wants More Meat, Milk, Eggs

Brannan Proposes Compensatory Payment Plan To Aid Both Livestock Producers, Consumers

WASHINGTON, D. C.—The administration's ideas on farm price supports, finally presented to congress this month by Agriculture Secretary Brannan, would make these major changes in the present support system:

● Use a recent, and gradually advancing, 10-year period as a base in figuring support levels.

● Support prices of non-storable products thru direct payments to farmers instead of thru government buying.

● Base supports on an over-all farm income guarantee, instead of on parity prices for individual products.

This last idea — compensatory payments—is designed to encourage a greater output of livestock products, Brannan said. It would be used to support prices of hogs, beef cattle, lambs, milk and butterfat, poultry and eggs, and some fruits and vegetables.

Market prices of these products would be permitted to seek their own level. This, said Brannan, would give consumers bigger supplies at lower prices.

Then the government would pay farmers the difference between market price and support price in the form of a direct—or compensatory—payment.

But storable commodities—cotton, wheat, corn, other grains, tobacco, oil-seeds, dry beans and peas, wool and peanuts—would be supported by the present method of loans and purchase agreements.

Brannan's program, if approved by congress, would start in 1950, replacing the Aiken flexible support law, due to go into effect then. But the secretary asked that compensatory payments on milk and hogs be authorized immediately for use this year.

Brannan expects hog prices to drop to or below present support levels by early fall. And he dislikes the idea of the government having to buy huge supplies of pork and butter to support milk and hog prices. Compensatory payments, he figures, would make the job far easier.

The Brannan program would do away with the present system of parity prices. Instead, it would set up a farm income support system based on farm purchasing power during a recent 10-year period.

Base period for 1950 would be the 10 years from 1939 thru 1948. After 1950, the base would shift forward a year at a time, so that it always would be the 10 years ending two years previously.

In figuring support prices, Brannan would start with what he calls an "income support standard." This is the amount of cash income agriculture as a whole would be guaranteed.

This guaranteed income then would be divided among farm products on the basis of their average returns during the 10-year base period, to get support prices for individual products.

How would support prices under the Brannan plan compare with present parity levels? In general, supports on corn, wheat and cotton would be about 90 per cent of present parity. But livestock and livestock products would rate higher supports — about the same as full parity, as it's now figured.

For example, 1950 price supports —if set now—would be $1.46 per bushel for corn, $19 per hundred on hogs. Under the Aiken plan, which will go into effect next year unless congress makes some changes, the support price for corn would be $1.35 per bushel, and, for hogs, $16.60 per hundred.

Here are comparisons for other products between Brannan and Aiken support figures, in that order: Wheat, $1.88 and $1.85 per bushel; milk, $4.22 and $3.70 per hundred; butterfat, 66.9 and 54.4 cents per pound; beef cattle, $16.90 and $14.80 per hundred; lambs, $18.40 and $16 per hundred; eggs, 45.8 and 45.3 cents per dozen; chickens, 29 and 25.2 cents per pound; soybeans, $2.54 and $2.21 per bushel; oats, $2.5 and 84 cents per bushel.

Another new feature of the Brannan proposal is that it would be based on "support units." To discourage "industrialized" farming, no farmer would be eligible for price supports on more than 1,800 units.

One support unit would be 10 bushels of corn, 7.77 bushels of wheat, 76 pounds of hogs, 346 pounds of milk, 21.82 pounds of butterfat, 31.88 dozen eggs, 5.73 bushels of soybeans, 50.34 pounds of chickens, 17.7 bushels of oats, 86 pounds of beef cattle, etc.

Also, a farmer wouldn't get the benefits of price supports unless he participated in all other government programs for his crops and carried out a program of "reasonable conservation practices."

What about acreage allotments and marketing quotas? Under the Brannan plan, these would be continued on storable commodities such as corn, other feed grains, wheat, cotton, tobacco, rice, peanuts. They might also be used for soybeans, flaxseed, fruits and vegetables.

Brannan said the time may come when controls might be needed even on meat animals, dairy products, poultry and eggs. But, he said, "the need for improving the diets of consumers and for encouraging conservation farming would not so dictate at this time."

Is the United States headed for a depression? Official Washing-

Brannan outlines new administration farm price support plan to senate agriculture committee chairman Elmer Thomas (left).

ion is busy with many issues, but the big question in its mind is the business future.

Many officials believe that postwar inflation has come to an end and that deflation—whether great or small—has set in. They base their view on such developments as a downturn in some prices, particularly farm; an increase in unemployment; a decline in store sales; cuts in prices of some autos, and action of the Federal Reserve Board in reducing margin requirements on purchase of securities.

But President Truman still wants congress to go ahead and pass his anti-inflation program. That program would give him power to set ceilings on prices and wages. It also would boost federal income taxes.

Democratic leaders in congress lean to the view that inflation has passed, and that the job ahead is to prevent a recession. They have laid the president's program aside, at least for the time being.

This lack of agreement as to how the economic winds are blowing is holding up action on a very important bit of farm legislation. That is the administration's request for greater authority to provide grain storage facilities.

This request was put before congress as a part of the anti-inflation program. It has bogged down with the rest of that program.

Yet the time is getting very short for doing anything about a storage situation that could play havoc with the farm price support program if big crops are produced again.

Secretary Brannan declines to outline what kind of a storage program he has in mind until congress acts. As a consequence, farmers are left up in the air. They don't know whether to go ahead and build additional storage themselves, or wait until the government speaks.

It appears that the oleomargarine forces will win their fight in congress to get oleo taxes repealed. The house of representatives already has passed a repeal bill and the senate is expected to act in the near future. But quite a big debate will be stirred up in the senate.

The administration is pushing the repeal bill. The agriculture department has not officially expressed itself on this issue. But O. E. Reed, chief of the department's dairy industry, told a house appropriations sub-committee he did not believe it a good thing for the country.

"I am of the opinion," he said, "that if you carry out this substitution program (oleomargarine for butter), it is not only going to have an effect upon dairymen, but it is going to have a tremendous effect upon the soil."

The agriculture department has announced levels at which it will support hog prices for a period ending September 30. The support rates are aimed to reflect 90 per cent of parity, but they vary from week to week, according to usual seasonal variations in marketing.

The rates—on a Chicago basis—range from $16.25 for 100 pounds in May, when marketings are seasonally heavy, to $18.50 in September, when marketings are seasonally small. The rates for the period ahead include:

April 17-May 14, $16.50; May 15-June 11, $16.25; June 12-18, $16.50; June 19-25, $16.75; June 26-July 2, $17; July 3-9, $17.25; July 10-16, $17.50; July 17-23, $17.75; July 24-30, $18; July 31-August 27, $18.25; August 28-September 24, $18.50, and September 25-30, $18.25.

The problem of possible farm surpluses appears to be drawing near. And the government is taking notice of it.

It has warned poultry farmers of an oversupply of chickens this summer. Expansion in the broiler industry is too great, it says, adding a warning that there will be no price support this year.

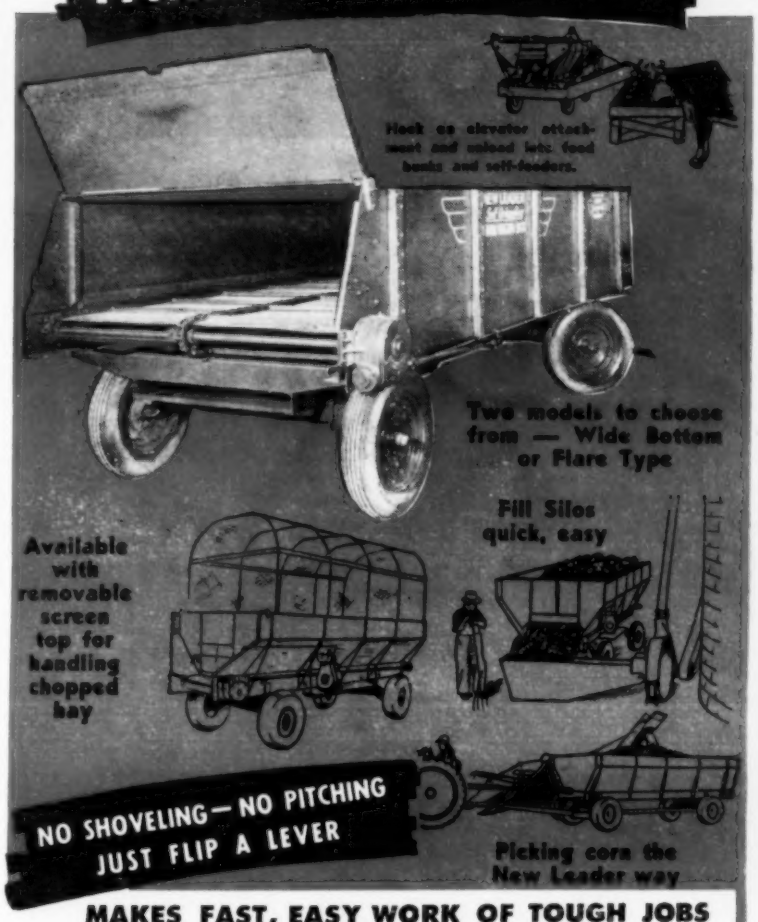
It also has appealed to flaxseed farmers not to carry out planting plans indicated by the department's recent planting survey. That survey indicated the flax acreage would be more than 50 per cent above the government goal.

"Production in excess of the suggested goal," the department said, "might cause both marketing and storage difficulties."

Officials hoped that department announcement of a flaxseed price support of $3.90 a bushel, Minneapolis basis, compared with $6 last year, would discourage some flax growers. But there was a danger of a shift to spring wheat at a time when a wheat surplus appears to be very probable.

In fact, officials are drafting plans to hold a grower referendum by July 25 on a proposal to invoke marketing quotas on the 1950 crop of wheat.

The NEW LEADER SELF-UNLOADING FARM WAGON BOX



MAKES FAST, EASY WORK OF TOUGH JOBS

The labor-saving, time-saving New Leader Self-Unloading Wagon Box hauls and self-unloads practically everything. Unloads standing still or with wagon in motion. Operates from tractor power take-off or gasoline engine mounted on box. The New Leader will unload its load in less than 3 minutes. Ideal for feed lot operations. Takes all the back-breaking labor out of putting up chopped hay and ensilage. JUST FLIP A LEVER AND WATCH IT UNLOAD. The New Leader has hundreds of uses around the farm . . . hauling and self-unloading corn, grains, coal, dirt, gravel, chopped hay and straw, ensilage, etc. It fits any farm wagon running gear and is honest-built to give years and years of satisfaction. Every farmer who has seen it in action wants one. New Leader Equipment has proved its time and labor saving advantages to thousands of farmers. See it at your dealer listed below or write for free literature.

NEW LEADER WAGON BOX DEALERS

AMES.....Diesel Service Company
ANAMOSA.....Gordon Implement Store
ATLANTIC....Sothman Motor Company
BANCROFT.....Bancroft Implement
BOONE.....Pederson & Paulson
BROOKLYN..Richeson Implement Store
CARROLL.....Juergens & Sons
CEDAR RAPIDS, Iowa Trac. & Mach. Co.
CHARLES CITY.....Adrian Impl. Co.
CHEROKEE.....Bushlow Implement Co.
CORNING.....Staples Oil & Impl. Co.
DAVENPORT....Scott County Impl. Co.
DENISON.....Hanigan Implement Store
DOWS.....Banwell Implement Co.
DUBUQUE.....J. J. Behr Impl. Co.
EARLVILLE.....Wendt & Lillibridge
EMMETSBURG...Vandys Seed Company
GARNER..Hancock Farm Equipment Co.
GRAND JUNCTION....Wiltse & Mears
GREENFIELD.....Fontanelle Impl. Co.
GRINNELL....Grinnell Implement Store
HARLAN....Otto C. Hansen Impl. Store
HOUGHTON.....Louis Kruse Impl. Co.
INDEPENDENCE..Miller Implement Co.
JESUP.....E. Parker & Son
JEWELL.....Ralph Draper
KEOTA.....Sorden Impl. Company
KNOXVILLE...Hawkeye Farm Equi. Co.
LA PORTE CITY.....Leo Arnett
MANCHESTER.....Spaight Impl. Co.
MARSHALLTOWN, Cen. Ia. Farm Store
MASON CITY...Cerro Gordo Impl. Store
MUSCATINE...St. J. Williams Company
OELWEIN...Miehe Implement Company
OSCEOLA.....Farmers Implement Store
OSKALOOSA.....Van Gorp Impl. Co.
OTTUMWA.....Pangborns', Inc.
OXFORD JUNCTION...Soppe Impl. Co.
PERRY.....Tallman Implement Co.
PRESTON.....Kunau Implement Co.
RED OAK.....Peterson Motor Company
RINGSTED...Co-Operative Gr. Prod. Co.
RUDD.....Larson Impl. Company
SHELDON.....Snyder-Meylor Company
SHENANDOAH...Miller Tractor & Sup.
SPENCER...Clay County Implement Co.
SPERRY.....Sperry Union Store
SPRINGVILLE...Schmid Implement Co.
TABOR.....Nelson Brothers
TAMA.....Mochal Motor Company
TIPTON.....Gaul Implement Company
VILLISCA....McCracken Impl. Company
VINTON.....Farmers Sales & Service
WASHINGTON.....Fenn Mfg. Company
WATERLOO.....Earl L. Brown
WAVERLY.....Farmers Implement Co.
WEST AMANA.....Amana Society
WINTERSET.....McNay Implement Co.

THE NEW LEADER LIME SPREADER

- Spreads lime fast and uniformly.
- Built for long life.
- Sizes to fit any truck chassis.

For a profitable business of your own, write for details.

HIGHWAY EQUIPMENT COMPANY, INC.
641 D AVENUE N. W. CEDAR RAPIDS, IOWA

How to lose your shirt

Countless small gullies are stealing the rich top soil right out of this corn field in Illinois. Soon the farm which furnished a good living and paid the boys' way through college may be losing money.

...or save your soil

This picture shows the same farm two years later. The field has been strip-cropped with permanent buffer strips. The rotation is corn, oats, and three years of alfalfa. Loss of soil from the 12% slope has been checked and the farm is on its way to recovery.

ONE of the first steps in a soil conservation program is to stop the gullies. Where gullies are deep, you need barriers of woven wire fence to hold the refuse and slow down the run off. Plant trees along the bank, then fence off the area to be reclaimed to keep cattle out.

For all these uses, strong long-lasting U·S·S American Fence can't be beat. Production of American Fence is now catching up with demand and in some parts of the country dealers can supply orders from stock. Elsewhere, you may have a short wait. Place your order now for U·S·S American Fence, Poultry Fence and Netting, Barbed Wire and other wire products for the farm.

AMERICAN STEEL & WIRE COMPANY, GENERAL OFFICES: CLEVELAND, OHIO
COLUMBIA STEEL COMPANY, SAN FRANCISCO
TENNESSEE COAL, IRON & RAILROAD COMPANY, BIRMINGHAM
UNITED STATES STEEL EXPORT COMPANY, NEW YORK

SEND COUPON FOR FREE BOOKLET

American Steel and Wire Company
Rockefeller Building, Dept. 1-4-16
Cleveland 13, Ohio

Gentlemen:

Please send me your booklet, "It's Your Top Soil" which tells how to start a soil conservation program.

Name.....

Address.....

City..... State.....

There's more U·S·S AMERICAN FENCE in use than any other brand.

U·S·S AMERICAN FENCE

UNITED STATES STEEL

Creep for baby pigs enables Lloyd Lund, of Story county, Iowa, to handle six sows and litters in one pen. The corner brooder is 16x24 feet, has two heat lamps. Lund has 50 litters of spring pigs.

Hog Men Hear Why Pigs Get Runty

Carcass Grading Has Advantages, Farmers Are Told At Illinois Swine Feeders Day

PIG RAISERS' problems were discussed from several angles at the Illinois Swine Feeders Day, on April 7. The speakers began with how to raise the pigs and ended with marketing methods and a discussion of price supports.

J. L. Krider told the hog raisers that alfalfa-brome grass pasture is fully as good as pure alfalfa the first year of pasturing. S. W. Terrill pointed out why alfalfa is such a good pig feed.

"Pigs become runty unless they get 1.4 pounds of riboflavin for each 100 pounds of feed," said Terrill. "They have abnormal feet, legs and hocks, sometimes walk with a goose-step, and have rough coats.

"You can provide enough riboflavin by feeding the pigs 10 per cent of alfalfa meal in the ration," Terrill noted. "Or the pigs will get enough of it if they have good pasture."

Riboflavin, which is one of the B vitamins, can also be secured in sufficient amount from a ration containing 4 per cent distillers' solubles plus 4 per cent fish solubles. Or, 4 per cent distillers' solubles plus 6 per cent alfalfa meal.

G. W. Sherritt, reporting on creep-feeding, recommended the method under these conditions: (1) When many sows and litters are running together; (2) when sows are fed a poor ration while nursing their litters, and (3) when sows are hand-fed in groups.

In one experiment, creep-fed pigs made 12 per cent faster gains on 20 per cent less feed, Sherritt related. The sows were hand-fed a poor ration of ear corn and minerals on rye pasture.

But another test, which has just been completed, showed no gain from creep-feeding pigs. This was largely because the sows and pigs had a good ration. They were self-fed shelled corn and supplement free-choice on Balbo rye or on brome grass and blue grass pasture.

A preliminary report on swine-breeding troubles was given by A. V. Nalbandov. Over the past two years, 57 sows and gilts with breeding troubles have been studied and examined after they were slaughtered.

One-half of them were "hard to settle," for unknown reasons. On the other half, the causes of sterility were discovered only after they were slaughtered.

Nalbandov urged farmers to get rid of slow breeders and animals with irregular heat periods. These conditions, he said, may be hereditary, and should not be transmitted to future generations. For the same reason, Nalbandov cautioned farmers against the use of hormones on swine with reproductive troubles.

A double-barreled new pricing plan, explained by E. F. Ferrin, University of Minnesota, has eliminated 83 per cent of pricing errors in buying hogs, he said. The new plan, now being tried experimentally, is based on more accurate pricing of live hogs, and grading the carcasses on the rail in the packing plant.

"True, there are difficulties in selling hogs by carcass weight and grade," Ferrin admitted, "but the possibilities are so good they deserve more study."

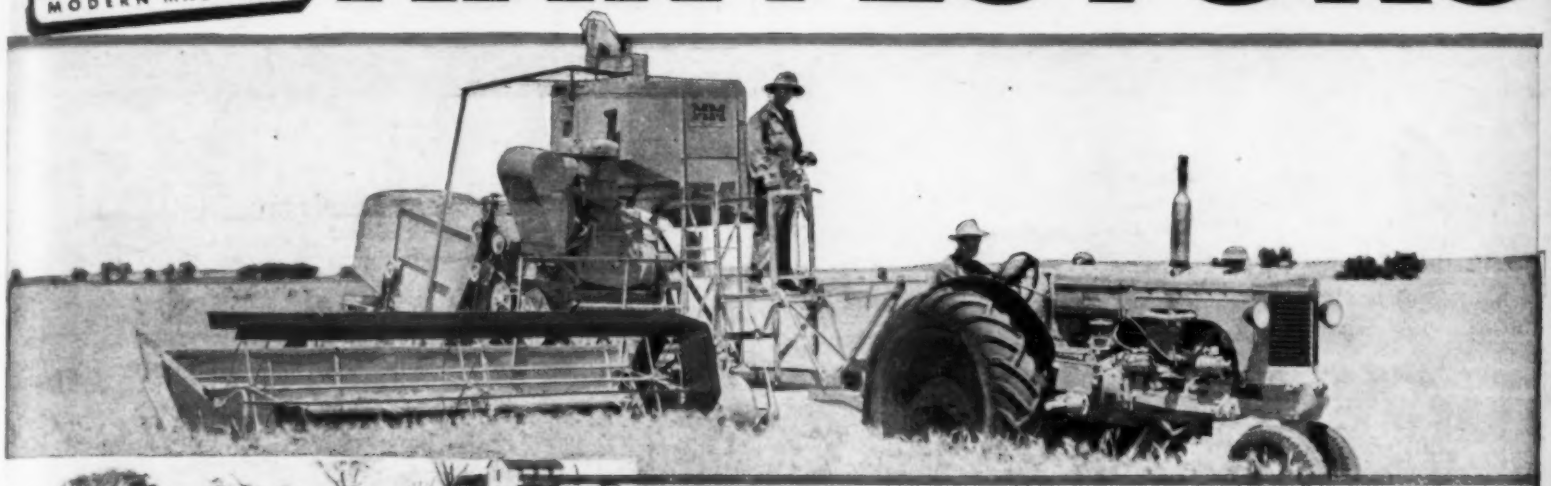
In discussing the question of parity price support, E. L. Butz, agricultural economist at Purdue University, declared: "There is some prospect that American agriculture may move toward nationalization in the next 10 years."

A system of artificially high, fixed price supports would produce huge food and fiber surpluses, he said, and strict government control would result.

"If this situation occurs," Butz said, "there will be no 'voluntary' controls. Everything must be compulsory."

Butz urged farmers to favor a moderate range of support prices within the 60 to 90 per cent of parity bracket.

MM HARVESTORS



Built to get all the crop...

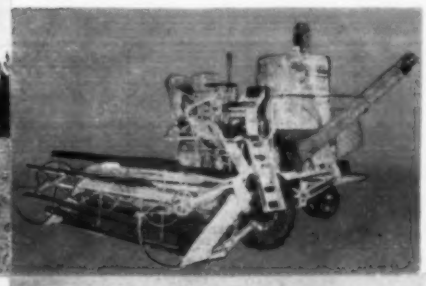
. . . all grain and seed crops

Many factors affect the productivity of your land. Some soil conditions and most weather conditions are beyond control. But the amount of the matured crop that reaches the market determines your income and is a measure of the productivity of your land. To harvest less grain per acre than the soil of the good earth has produced is wasteful extravagance . . . a violation of the principle of conservation of our natural resources which can only result in lower income.

The MM HARVESTOR is a conservation machine . . . a MODERN MACHINE that is built to get *all* the crop . . . *all* grain and seed crops. MM features that make the HARVESTOR the choice of progressive farmers throughout the world are found in all MM HARVESTORS . . . the famous "69", the 14 foot *powerflow* Self-Propelled and the famous 12 foot G-4 HARVESTOR.

OUTSTANDING FEATURES

All HARVESTORS have the special MM "straight through" design . . . threshing, separating and cleaning in one continuous straight through operation. Rasp bar cylinder and concave of all steel welded construction *thresh the grain with a gentle rubbing action*. Simplified V-belt drives are positive in operation and easily adjustable for cylinder speeds to meet all combining conditions for all grain, beans and seed crops. Ball and roller bearings on all high speed shafts or those carrying heavy loads or end thrust. Bell crank sickle drive operates on roller bearings. Copper bearing sheet metal and quality construction throughout offer long-life, *low-cost performance that excels.*



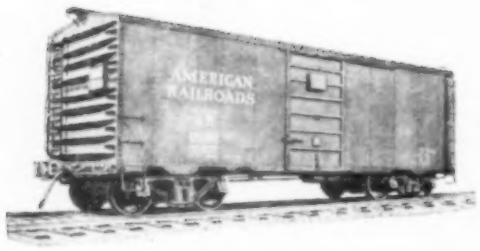
The MM HARVESTOR is a product of the precision design and engineering skill that are built into [illegible] piece of equipment bearing the MM trade[illegible] . . . MODERN MACHINES BUILT TO DO THE WORK *economically, efficiently, safely.* Get all the facts from your friendly MM dealer.

The Bale-O-Matic

MM's *modern* baler is the *quality* one-man machine that picks up the hay, slices and ties it with two strands of steel wire while bale is under compression. *No loose or broken bales with the Bale-O-Matic!* Weight and density of the uniform 40 inch bales are pre-selected by the operator. Bales are automatically counted. The Bale-O-Matic is another MM solution to your problem of producing more with fewer man-hours!

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA, U. S. A.



and the most thrifty

The most popular car in America!

Yes, that's it—the familiar freight car, which brings you most of the things you eat, wear, and use.

It does its vital job for you so thriftily that it carries freight for charges which average only about 1½ cents for moving a ton a mile—taking all kinds of freight over all distances.

When the war ended, these charges were no higher—and in many cases were lower—than when war began back in 1939. But prices and wages kept climbing until freight rates had to go up.

Railroad rates, though, went up *later* than other prices. By the time of the first small increase in freight rates, in the middle of 1946, the average level of other prices had already gone up more than 40 per cent above 1939.

And freight rates have gone up *less* than the average percentage increase of other prices—in fact, only about half as much.

So railroad freight charges now represent an even smaller fraction of the prices you pay for the things you buy than they did before the war.

Today, the railroad freight car is not only the most essential car in America—it is also the car that provides the world's thriftiest transportation.

ASSOCIATION OF AMERICAN RAILROADS
WASHINGTON 6, D. C.

Listen to THE RAILROAD HOUR
presenting the world's great musical shows. Every Monday evening over the ABC Network, 8-8:45 Eastern, Mountain, and Pacific Time; 7-7:45 Central Time.

Which Market to aim for? This is the perennial puzzle for hog raisers. Guy Patterson, Butler county, Iowa, asks himself the question as he looks over some of his promising prospects.

Hog Prices Next September

Iowa Farmers Say What They Think Hogs Will Bring In September And December

IF YOU push your 1949 spring pigs along fast enough so they can be sold in September, what are they likely to bring? Iowa farmers are guessing around $17 a hundred.

A few pessimists talk about prices under $12. A few optimists hope for $21 or more. But most expect a price in the $15-$20 range.

Of the owner-operators, 28 per cent expected a price of $19-$20 in September, while only 15 per cent of the renters were that hopeful. Little farmers were more apt to expect low prices than were big farmers.

One farmer in Jackson county said: "I don't think we need to worry too much about the price of hogs next fall. Beef is apt to be pretty scarce, if the ranchers have been hit as hard as the newspapers report."

But a Guthrie county farmer insisted that: "I don't think I'll get any more for this bigger bunch of hogs than I did for the smaller lot I sold last year."

A farmer in Appanoose county guessed: "I think they'll be $12-$14. I'd sure like to see them at $17-$18."

If hogs will bring $17 in September — according to Iowa farmers — what will they sell for in December?

The farmers interviewed in this Wallace-Homestead Poll expect a drop of about two dollars in price. At $15 in Iowa, hogs would be somewhere around the support price.

Almost three-fourths of those who were interviewed seemed to think hogs might drop to support levels in December. Altho the exact support price for December

See If You Agree With This!

The WALLACE-HOMESTEAD POLL asked a cross-section of Iowa farmers:

"What do you think hogs will bring per hundred next September?"

3 per cent said "Under $12"	22 per cent said "$17 to $18"
14 per cent said "$12 to $14"	22 per cent said "$19 to $20"
31 per cent said "$15 to $16"	8 per cent said "$21 or more"

"How much do you think hogs will bring per hundred next December?"

12 per cent said "Under $12"	17 per cent said "$17 to $18"
31 per cent said "$12 to $14"	7 per cent said "$19 and up"
33 per cent said "$15 to $16"	

"John prides himself on always buying the first pair he tries on."

has not yet been announced, the expectation is that it will be in the $14-$15 range in Iowa.

Middle-aged farmers were 40 per cent sure of a $15-$16 price. Biggest group of younger men expected $12-$14. Owners were a little more hopeful than renters. And big farmers expected more of a December drop than did the small farmers.

A Clay county man said: "I'm just fool enough to think I'll get $15-$16 next winter."

A Union county farmer looked back on feeding losses this past winter: "I sure got taken on my hogs this time. Guess I got them too heavy."

And a Guthrie county farmer said: "I lost a lot of paper profit on some hogs I sold this year. Held them past the peak."

In Bremer county, an older farmer declared: "I don't look for hog prices to go much lower than they are now. If they do, there'll be a meat shortage, because farmers will quit raising so many."

An Appanoose county man was hopeful, too: "I believe prices will stay up. A lot of folks don't. But we should try to raise hogs with more meat and less lard."

Another man in the same county wasn't so sure. "That's like asking what the weather will be," he said.

In past surveys, Iowa farmers have been conservative in guessing at future prices. Usually, the actual price has run higher than the price they predicted a few months before.

Nobody knows whether this present prediction will also run below actual price in September and December. But if federal hog supports take hold, prices could be a little higher than some farmers now expect.

Plow Or Disk Land For Second Seeding?

To the Editor: I sowed some oats and clover last year, but got no stand of clover. I would still like to get some clover started on that field. Could I sow oats there this year and just disk them in? Or should I plow the field?—L. K., Henry County, Iowa.

The question of plowing or disking would probably depend a great deal on your weed problem. If last year's oats had a lot of weeds that customarily show up in oats, then it probably would be risky to sow without plowing.

But if your oats were free of weeds, then you could probably get by with just a good double disking. It might be that you could plow any weedy spots, then disk the rest of the field.

AS NEW

AS YOUR NEW TRACTOR!

Get All 3 Modern Oil Qualities . . . !

"Anti-Acid"? YES!
"Detergent"? YES!
"High V.I.*"? YES!

*High Viscosity Index — means high resistance to change in body under extremes of heat and cold.

1 *Free-Flowing*—Here's fast engine turnover — instant flow of lubricant to all moving parts.

New Mobiloil's high V. I. and rich lubricating qualities result from years of research by Socony-Vacuum.

2 *Full Protection*—Choice stocks and "built-in" cleaning properties mean unsurpassed protection against friction, wear, deposits.

3 *Maximum Economy*—Special processes remove undesirable elements—put in effective agents that retard corrosion, reduce "inside" troubles. Result: Money savings in terms of fewer repairs, greater operating economy. Get New Mobiloil for all farm engines.

Mobilgas
SOCONY-VACUUM

Call in Your Mobilgas-Mobiloil Man!
SOCONY-VACUUM OIL COMPANY, INC.

UNSURPASSED TRIPLE-ACTION!

WHY IT PAYS TO SPRAY THE CENTURY WAY

Now You Can Kill Corn Borers, Weeds, Grasshoppers

FASTER...EASIER...at LESS COST!

Models Available for Truck . . . Tractor . . . or Trailer mountings. There's a Unit that Exactly FITS your Need

You can be among the leaders who are putting Century Spray Units to work now. You can use a time- and work-saving Century on your tractor, truck or with a trailer mounting and either one or two gallon galvanized tanks may be added at any time to your Century Unit.

Increased Crop Profits

Thousands of wise farmers now increase crop yields with pest-control spraying. Avoid unnecessary losses! You can spray 10 acres an hour to rid your fields of corn borers, grasshoppers and weeds. Low-cost, effective sprays are now available to be used with your Century Sprayer.

Livestock Profits Climb

Mosquitoes, flies and all disease-carrying pests can be controlled easily and economically with an All-Purpose, All-Season Century Sprayer. Booms on the Century can be raised from the Master Control Panel to spray farm buildings. Keep your barns, chicken and hog houses pest free. Leading authorities agree that livestock makes faster gains . . . with less danger of disease . . . in farm buildings protected by regular spraying.

Designed and built by Experienced Engineers

A Century Spray Unit offers superior construction that means savings to you. Century's 25 years experience in nozzle design assures trouble-free operation. Spray fluid is strained three times, no clogging to waste your time. The Century tank is interchangeable with 55 gallon oil drums. Heavy-duty 100% Neoprene hose used exclusively. Century "drops" or extensions have adjustable tips so spray can be directed wherever desired. It's easy to spray irregular fields . . . fence rows . . . buildings . . . fruit trees, with a Century.

Always Ready for Instant Use

Century's superior design and work-saving construction makes it ideal for every spraying job. It's the quality built, economically priced unit farmers demanded to save time and work . . . ready for use now. Put a Century Sprayer to work for you and see farm profits grow for years to come.

FREE GET YOUR COPY TODAY! 300 County Agents Tell "What to Look for in a Farm Sprayer." Send for your copy of this valuable booklet today from

DISTRIBUTED IN IOWA BY

THE Hamilton COMPANY

MAIN PLANT - - - CEDAR RAPIDS, IOWA
BRANCH PLANT - - - FORT DODGE, IOWA

THE ORIGINAL
STANDLEY Lift-Saver MILK COOLER

Stop Lifting heavy milk cans! With an efficient STANDLEY Milk Cooler, *you just slide 'em in!* Cools faster, cheaper, to meet Grade A standard, by new refrigerated water spray method. *Write for Folder.*

STANDLEY & CO., INC.
P. O. Box 3038, St. Louis 23, Mo.

JUST SLIDE 'EM IN!...

Voice of the Farm

Has His Own Social Security Plan

To the Editor: If farmers do not get the Social Security program they want, let them start their own.

Instead of buying black market cars, fur coats, etc., we buy bonds. Our family is also strong for life insurance — our premiums run around $100 per month.

Nevertheless, I would be in favor of a just Social Security act for farmers.—Henry Kluemper, Lyon County, Iowa.

Many folks count on a paid-for farm for their retirement income. But it doesn't always work.—Editor.

Against Two-Hour Bus Ride

To the Editor: You ask: "How far do Iowa pupils ride to school?" We live in the northwest corner of Kossuth county, along the Minnesota line. Last year, all schools were closed in this township. So every day my two children ride a good 50 miles to (and from) Armstrong school, located in Emmet county.

We are in favor of redistricting schools so our children won't have to ride the bus an hour each morning and night. — Mrs. Clarence Jacobs, Kossuth County, Iowa.

Many folks wouldn't mind going that far to a really good school—if their roads would let them get there that fast.—Editor.

"Bus Drivers Get Too Independent"

To the Editor: I have lived in consolidated school districts most of the time since my children first started to school, and there has always been more or less trouble about getting to school.

Too many bus drivers get too independent after they drive a school bus a few years. We don't ask them to come in when the roads are impassable—the children are willing to walk then. But when they refuse to come in after we send word with the children that the road is in good condition, that is another story.

Also, grade pupils don't get very far in the big schools. There are so many children in each class that the smart ones do the reciting and the others don't get any help. —Mrs. Kermit Rhodman, Monona County, Iowa.

Big schools certainly do not solve all the problems.—Editor.

Can Anybody Beat 1905 Copy?

To the Editor: I've read in your magazine where you have many old-time subscribers. I wonder if some of them have early issues of Wallaces' Farmer. I got to digging in some old newspapers in the attic and found a copy of your paper dated February 24, 1905. Can anybody beat it?—C. E. Phillips, Jr., Van Buren County, Iowa.

It's our guess that quite a few folks can.—Editor.

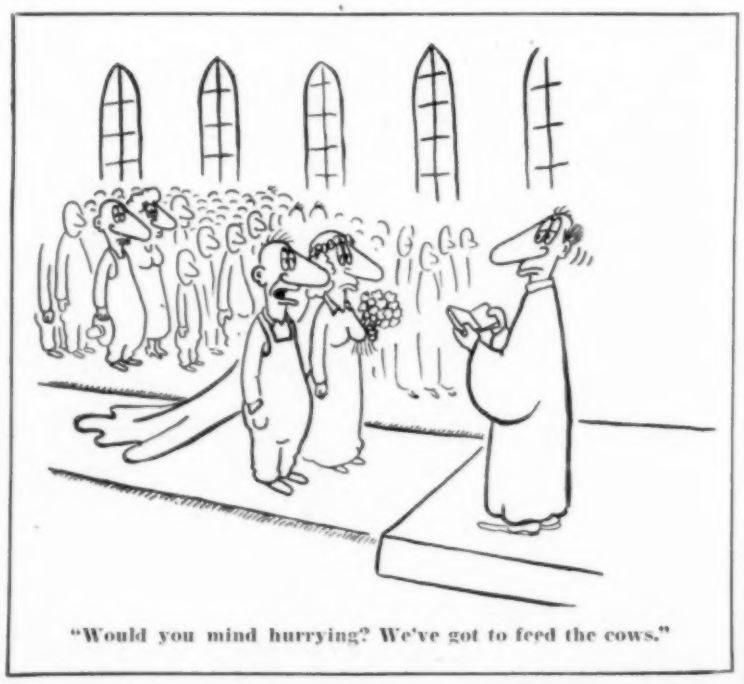
Schools Located In Wrong Places

To the Editor: Our county has two high schools, one in the south and one in the northeast. Both schools are overcrowded.

If two new schools were built more centrally, the maximum bus radius would be under 10 miles. But if the whole county is reorganized as one unit, as is being discussed, the farthest-out students might be nearer 20 miles away.

Our boy, who is the farthest out for his bus, is picked up at 7:30 and the bus is due in at 8:45. After school is the worst. Not a few students reach home with sick stomachs and headaches, due to the long ride in an overheated, stuffy bus after the more or less stuffy classroom hours.—Mrs. Ora Shull, Boone County, Illinois.

Reorganization would be easy —if we had the money to build new schools where they ought to be.—Editor.



"Would you mind hurrying? We've got to feed the cows."

Mud-Road Mac

"This reminds me of my driving class in school—did you remember to turn in the direction of your skid?"

Ever Try Canned Cocklebur?

To the Editor: My sympathy to Mrs. Peter Rozebloom, of Sioux county, Iowa, on finding a caterpillar in the canned spinach.

Recently I sat down to a plate of spinach, only to run my fork into a well-sanded cocklebur.

If you've never tasted canned cocklebur, then you can't possibly know how appetizing it can be.—Mrs. Chester Kirkpatrick, Ringgold County, Iowa.

Is this why kids don't like spinach?—Editor.

Willing To Pay For Better Teachers

To the Editor: Changes in an educational system, or anything else, should be made only when they improve conditions. I don't see the need for improvements in our country schools.

I believe they can offer everything in education the larger schools can, plus more individual attention. The thing that determines how good any school is—town or country—is the teacher. Our rural schools in this area pay their teachers about the same monthly wage as the grade teachers of our nearby town receive.

Those who favor the bigger central high school argue that they want to see better education for our youth. Don't they realize there will be a lot of children who will not get to go to high school at all if they must go that far?

Here, again, all the small town high school needs is good teachers. We can pay for those as easily as we can pay for an expensive new system.—Mrs. Ivan Krueger, Mitchell County, Iowa.

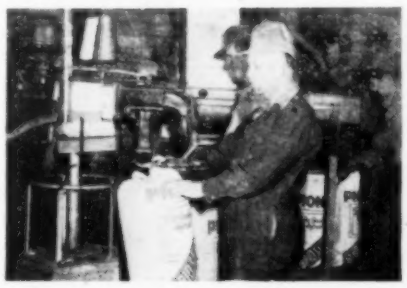
A school of any size can be good if folks are willing to pay the cost of making it that way. —Editor.

Wants U. S. To Launch "Peace Offensive"

To the Editor: Early this year, a new Communist "peace offensive" was announced. Our government regards this new line as a fraud.

While we can not believe the lies in propaganda from Moscow, there should be no reason for the United States not to press for renewed disarmament discussions. There is nothing to lose by a new endeavor to solve the problems between the U. S. and Russia. There's everything to lose if these problems are not solved.—Wayne Celerich, Scott County, Iowa.

Question for discussion: Does disarmament stop war?—Editor.



BRED FOR EXTRA STRONG GERMINATION

Pioneer seed corn is bred for strong germination. Pioneer corn breeders select for seed vigor. They breed for germinating strength in both inbreds and hybrids. They want to give you hardy seed that produces good stands. When you plant Pioneer, you can be sure it was BRED TO GROW . . . even in cold wet soil.

HANDLED TO AVOID SEED GERM INJURY

Pioneer seedsmen handle seed corn with "kid gloves." They don't bang it around carelessly. Rough handling hurts the seed germ, lowers germination. They take great pains not to injure the corn. They use tested seedhouse methods — found through years of research. Pioneer seed corn is HANDLED TO GROW . . . even in cold wet soil.

TREATED TO RESIST ROT IN COLD WET SOIL

Pioneer seed corn is chemically treated with special materials . . . found through years of research. This protects it against fungus rot in cold wet soil. Pioneer chemical seed treatment resists the soil fungus and protects the seed until the soil warms up. Pioneer is TREATED TO GROW . . . even in cold wet soil.

FREE SEED IF YOU REPLANT

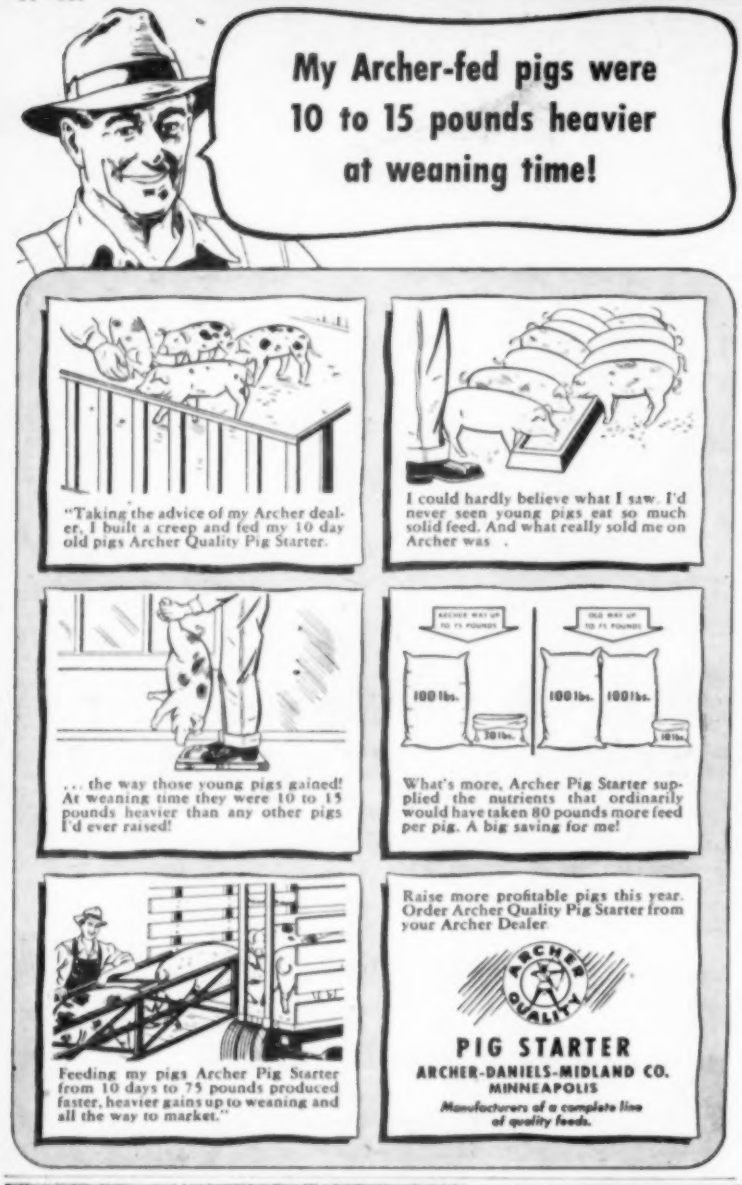
Pioneer seed corn is backed by a **written** Replanting Agreement. You get free seed if you replant a Pioneer field to corn . . . for **any reason.** Simply notify your Pioneer salesman. He'll serve you quickly.

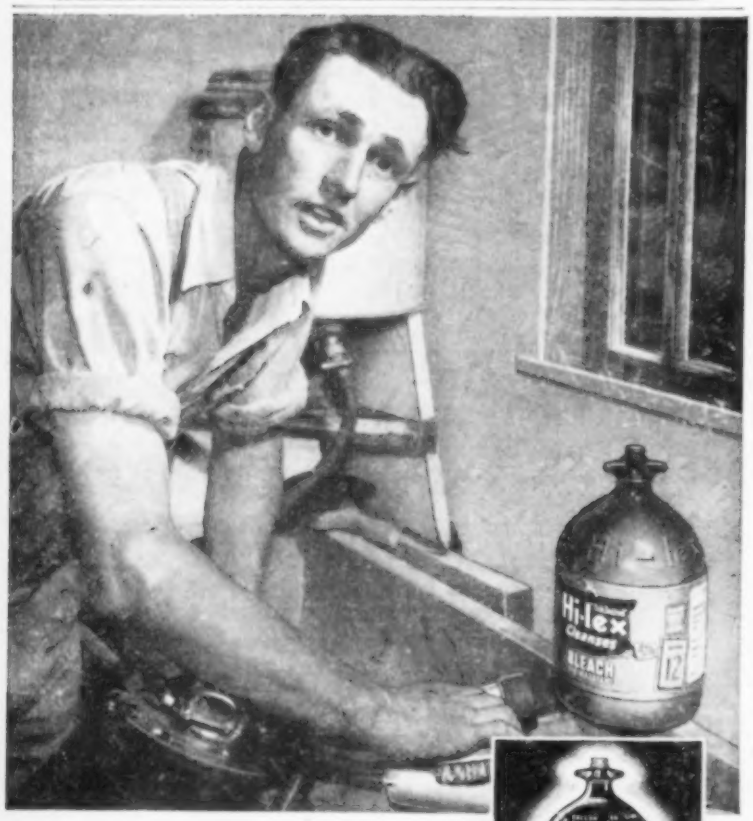
SEED IS BIGGER THIS YEAR You May Need More

A bushel of seed corn will plant fewer acres this spring. Kernels are larger. See the local Pioneer salesman. He still has a good choice of maturities and kernel sizes.

For this spring, MORE PIONEER seed corn has already been ordered by MORE FARMERS than was ever planted in any previous year

Plant PIONEER Seed Corn





Hi-lex best disinfectant ever used in milk house

says Iowa Dairyman

"Ten years of farming," says Max E. Kragh of Sargent Bluff, Iowa, "has taught me a lot. That's why I recommend Hi-lex liquid disinfectant for use in cleaning dairy equipment and pre-milking udder washing. It mixes instantly and thoroughly . . . and you only use one cup to eight gallons of warm water—that's real economy." For other farm uses for Hi-lex, read the directions on every label. Save Hi-lex coupons for valuable prizes.

Buy Hi-lex . . . Buy the Gallon . . . Buy the Case

Balers Were Hungry

1 On A Brisk March morning, Raymond Gregersen, Cass county, Iowa, decided to bale a straw pile. Neighbors George Miller, Roy Parker, Billy McAfee, Howard Coglon and Chris Mumgaard, who owns baler, helped. Son Howard Gregersen is on load.

THE season for baling hay is either just about over or just about to begin anew, depending upon how you look at it.

The pictures on this page show a 1948 pile of straw being removed from the field before 1949 spring work started.

With the use of a modern machine, baling is not quite the rough and dirty job that it used to be.

Altho it still could hardly be called a picnic, no one is wearing blisters on their thumbs from tying wire, nor losing pitchforks while feeding the press. And you don't need any skill or timing to put the blocks in the press.

This is a portable one-man baler; the pick-up attachment carries the straw right into the press. All that is required of you is to keep plenty of straw on the apron.

Of course, there is something gone from the scene, too. No one will be able to say that he fed the baler just right and averaged a bale a minute.

2 Men would be hungry, Mrs. Gregersen knew. So she started getting ready by baking "twebakker." That's a Danish word meaning "twice-baked." You first bake the dough, then cover with sugar, butter and cinnamon, and bake again. As you see, it looks like rusk or zweiback.

3 This view shows the men feeding straw into portable baler. It seems to be easier and less dangerous than the old kind of stationary baler where you inserted blocks and tied wire by hand.

4 Neighbor Mrs. Howard Coglon and little daughter, Nancy, came over to help Mrs. Gregersen get dinner. It's getting closer to noon now—time to peel potatoes and get the pie in the oven.

Rotate Pastures For Most Feed

Move Stock From One Area To Another To Help Make Your Grass Go Farther

THERE are a great many farmers who are out—or almost out—of hay. In many areas over the corn belt, last year's seedings for hay or pasture did not live. So what permanent pastures are available will have to go farther than ever.

When you run out of hay at this time of the year, you look to the pasture.

But there is always the temptation to get the stock out on pasture too early. Some blue grass pastures already have been grazed right into the ground. That means poor growth later.

What can you do to stretch out your forage?

If you had enough time, you could triple the feed available from the old blue grass pastures. Renovation and reseeding would do it. But, of course, that won't help this summer. It would take a year or two.

Holding your stock off the pasture until the blue grass has made a growth of four or five inches means more feed in the long run. But you don't want to let your stock starve in the meantime.

It may be that rotation of the pastures would help. An electric fence makes it easy to divide the blue grass pastures. In that way, you can let half of the blue grass get a decent start.

Ten years ago, some of the experiment stations doubted that rotation grazing made much difference on blue grass pastures. It definitely helped grass-and-legume mixtures make more feed, but not grass alone.

Today, most of these stations are agreed that rotation grazing helps blue grass to produce more feed during the season. Graze part of the pasture for a while. Give it a chance to grow back while the stock is in another area. Then switch back again.

Nitrogen fertilizer will give grass a boost. The best way to add nitrogen to grass is to grow legumes with the grass. As an emergency proposition, however, you might want to use straight nitrogen fertilizer on your pasture.

Later this summer, blue grass pastures won't amount to much. You can improve them some by mowing them to kill weeds. Then the weeds don't compete with the grass. But blue grass still goes dormant when temperature gets much above 85 degrees.

Sudan grass will make a good midsummer pasture. You can seed sudan when the ground warms up. It will come on just as the blue grass slows up.

By saving a couple of fields for a temporary or emergency pasture, you can rotate your stock from permanent grass to temporary pastures and get more out of all of them.

There's another way to stretch pastures. You may have more grass than you can use this spring, and run short in July and August. If you think that might happen, make grass silage out of the surplus this spring. Feed the silage when pastures turn brown.

Grasshoppers may cut down on the forage you have. They don't bother blue grass pastures like they do legumes. But keep your eye on them. Be ready to poison them as soon as they hatch.

And if you have a shortage of pasture at your place year after year, start making plans to renovate and improve some of your blue grass seedings. Then you'll have plenty of pasture.

Your Assurance of Paint QUALITY

You find complete assurance of finest paint quality when you see the U.S.D.A. Classification Seal shown on every can of Forman, Ford Grade 1 Paint. This official Seal guarantees that Forman, Ford meets the high standards of quality set up by the United States Department of Agriculture after 26 years of exacting research.

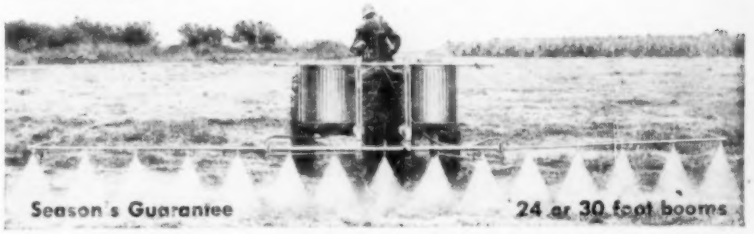
Under this Seal, you can be sure, Forman, Ford Grade 1 Paints contain a properly balanced formula of "oil-rich" ingredients . . . offer you longer wear, better coverage and a finer paint job that actually costs you less.

FORMAN, FORD & COMPANY
Since 1883
111 SOUTH SECOND STREET • MINNEAPOLIS 1, MINN.

SPEEDY SPRAYER

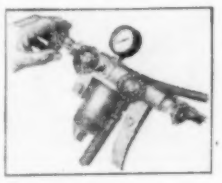
"...can't be beat!"

Says ELLSWORTH OWINGS, Wellsville, Kansas



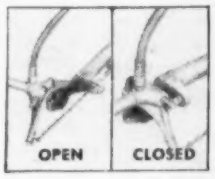
"For simplicity of installation and operation, the SPEEDY SPRAYER can't be beat," says Mr. Owings. "The fingertip control and built-in filter unit save me hours of time, and SPEEDY'S light, all aluminum construction assures year round protection against rust and corrosion. No costly repairs for bent or broken booms. The new SPEEDY booms swing with obstructions in the field, allow them to pass, then return to normal position.

"For my money, the SPEEDY SPRAYER is the best on the market."

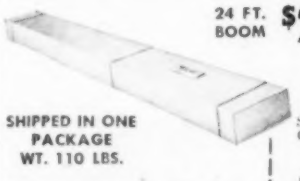


FINGERTIP CONTROL
Spraying can be controlled from the tractor seat . . . built in filter unit and pressure regulator assure constant penetrating spray.

DOUBLE-ACTION HINGE
OPEN: Hinge in open position . . . no bent or broken booms.
CLOSED: Hinge in normal rigid position . . . no wobble or end play.



24 FT. BOOM **$230.00** (Plus Tax) F. O. B. SIOUX FALLS



SHIPPED IN ONE PACKAGE WT. 110 LBS.

30 YEARS OF MANUFACTURING "KNOW-HOW" BUILT INTO EVERY SPEEDY SPRAYER

Write for FREE descriptive literature!

SPEEDY SALES CO., Dept. WF49
Corn Exchange Bldg., Minneapolis 15, Minnesota
Please send me free descriptive literature.

Name.....
R.R......
City.....*State*.....

Sez Zeke: "I'm up in the air in my priva e plane; I make lots of money—with BLENN on my grain"!

Blenn
Swift's
Specialized Crop Maker

Zeke's head is often up in the clouds. But down-to-earth practical farmers know that, like Zeke, they too can make more money using BLENN, *Swift's specialized crop maker*. It is specially formulated to help grow higher-yielding corn and other grain crops. BLENN furnishes a balanced combination of growth elements to your crops. Fed with BLENN, they come up richly green and sturdy—grow uniformly—pay off with *extra* yields, quality and dollars.

Use BLENN and see the difference in a faster-starting crop . . . in steadier growth . . . in bigger ears or heads filled with plumper kernels. For higher-than-average yields, feed your corn and other grain crops BLENN this year. Get your supply of BLENN now from your Authorized Swift Agent.

Swift's
PLANT FOOD SERVICE
RED STEER

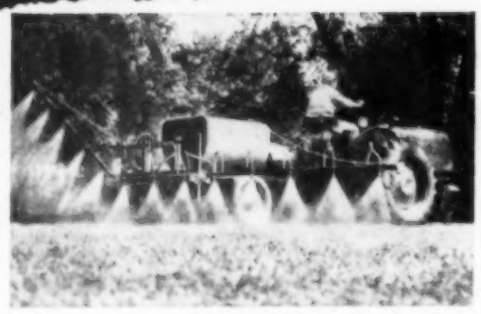
Buy at the sign of the RED STEER

SWIFT & COMPANY

It's Time NOW to Think of Weeds, Insects and the . . .

New DOBBINS SPRAYERS AND BOOMS FOR EVERY AGRICULTURAL NEED

Weeds and insects won't wait. *Don't you.* Investigate *now* Dobbins *new*, modern and complete line of sprayers and booms . . . the very best. Trailer-type sprayers of 125 and 250 gallon tank sizes, with a pressure range from zero to 400 pounds . . . power take-off models, complete with pump and fittings . . . gasoline engine models which can be drawn by tractor, jeep or truck . . . all made to deliver up to 7 gallons per minute and handle perfectly all spray solutions.



A FULL LINE OF BOOMS WITH PUMPS FOR MOUNTING DIRECT TO TRACTOR. DELUXE MODELS FEATURE HANDY, ADJUSTABLE NOZZLE SPACING

Farmers the world around choose DOBBINS as the *finest* in spraying equipment, built to perform countless jobs at the lowest cost . . . for spraying row crops, livestock, buildings, trees—perfect, whatever the job. Each Dobbins unit is the product of careful research . . . *built to serve and to last*—dependable.

WRITE NOW! for free descriptive literature and name of nearest dealer.

Dobbins Superbilt SPRAYERS · DUSTERS

DOBBINS MANUFACTURING CO.
DEPARTMENT 456D, ELKHART, INDIANA

A COMPLETE LINE OF POWER AND HAND SPRAYERS AND DUSTERS

Parchment paper under the lid of a cream can keeps dirt out. Fieldman Alfred P. Breitbach (right) and Thomas R. Dunn, dairyman, both from Delaware county, Iowa, examine the exhibit.

Dirt Can Ruin Your Cream Market

Stiff Federal Inspections Condemn Iowa Butter That Is Made From Filthy Cream

IOWA creameries are worried about dirty butter. A carload of rejected butter sold as soap grease is a painful blow.

That's happened since federal inspection was tightened up. Federal inspection applies to all butter shipped out of Iowa—to about 80 per cent of the state's butter business.

So creameries are running sediment tests on the cream they buy. When a pad comes back marked No. 4—very dirty—it's the farmer's turn to get worried.

Unlike the stricter rules applying to selling whole milk, the only requirement for selling cream to a creamery is a clean sediment test. Good judgment tells any farmer that high-quality cream is important.

"We'd done what we could to clean up," said Ed Hawker, Delaware county farmer. "So when our fieldman brought back a No. 3 pad, I was just sick about it."

Right there the services of Alfred P. Breitbach, creamery fieldman, helped out. He made sediment tests of the milk at the barn. It was perfect. But a test of separated cream showed a No. 2 pad.

A. W. Rudnick, of Iowa State College dairy industry department, says that 95 per cent of the sediment in cream is picked up after the cream leaves the separator.

Hawker found there was some rust in the water he used to rinse his separator. "So now we rinse with skim-milk," he said. "And we keep the separator parts covered during the day."

"The ceiling is important in a milk room," Breitbach explains. "It should be tight and smooth, so dirt can not collect and fall into milk utensils." He explained, too, how iron in rinse water shows up as a rusty red on the sediment pad.

The cream can must be clean to start with. The Kansas experiment station took empty cans from 108 different cream stations, rinsed them, and made sediment tests.

There was everything from sand, metal and coal dust to rodent hairs and parts of insects in the sediment. These had accumulated in cream cans whether they were upside-down on racks with lids off, or set upright with lids on.

"Scrub before use" is the first recommendation about cream cans. "Tight lids" is the second.

Until a better lid is invented, some extra means must be used to keep dirt out. A cellophane "topper" or hood can be placed over the can top while it is being held on the farm until collection day. This is like the covers used for bowls of food in the refrigerator.

When the cream can leaves the farm, a sheet of parchment paper should be placed over the top of the can. Then the lid is pressed down into this. Be sure the lid is down tight.

This keeps dirt out while the can is on the way to the creamery. Supplies of parchment paper and the covers for the cans are furnished free to patrons by some creameries.

"Use a 15-inch-square parchment paper," says Rudnick. "An 11 or 12-inch paper is worse than nothing at all."

Most farmers who market milk want to sell a high-quality product. They realize that market acceptance of a good product helps the price. Fieldmen help find the cause of poor cream and advise on quality improvement. Their assistance is valuable.

Only properly cooled milk is Quality Milk

NEW!

POLAR • COLD

Booster Spray*

Quick, Constant, Neck-High Cooling!

Floods continuous icy spray over can necks when less than normal loads are cooled. Assists in quick, efficient, neck-high cooling, regardless of water level or cabinet loading. Circulates 80 gallons of cold water per minute.

NEW! ANOTHER WESTINGHOUSE ACCESSORY

EZ-does-IT* HOIST

For Westinghouse Milk Coolers

Saves Time and Energy:

Does away with back strain . . . backaches. So simple a child can hoist heavy milk cans. Just hook up the can, turn the crank . . . up and into the Cooler goes the can. Self-locking . . . no danger of slipping. Tough, galvanized, woven-wire cable for heavy loads, long life.

***SEE THESE NEW ACCESSORIES AND MILK COOLERS AT YOUR WESTINGHOUSE DEALER TODAY**

YOU CAN BE SURE..IF IT'S Westinghouse

WESTINGHOUSE ELECTRIC CORPORATION
Springfield 2, Mass.
Plants in 25 Cities • Offices Everywhere

SAVE YOUR LIFE!

No time for a spring clean-up? Well, maybe you'll change your mind after reading this little story by N. J. Wardle, farm safety specialist at Iowa State College.

"HELLO, Mary! Anyone home?"

"Here, Lucille. In the kitchen. Come on out. Isn't it a lovely day?"

"Certainly is. Tom and I are going to run down to Dad and Mother's. Why not come along? Get Frank and let's go."

"Oh, no; not today, Lucille. We're having spring clean-up around the yard. My, how the junk accumulates!"

"Goodness, Mary, it's that way on all farms. Always have junk around, but not often do we get a day like this."

"No, Lucille; we've planned this clean-up. The kids are home today and we're all ready to go. You know, maybe you should have a spring clean-up, too. It might have prevented that sprained ankle you had last fall."

"Oh, piffle! That was because I ran across the yard to head the cows into the barn. Just happened to stumble on that old broken hoe."

"Maybe so. Well, have a good trip."

"Sorry you won't go. Good-bye."

As they drove off, Lucille began to think of Mary and Frank's clean, neat yard—and of their own, which she liked so much to leave.

"Tom, do you think we should have a clean-up?"

"Why? Place just gets cluttered up again."

"But I was thinking of how Mary seemed thrilled about cleaning up the place. We get our biggest thrill from going away from home. Tom, let's go home and have a clean-up ourselves."

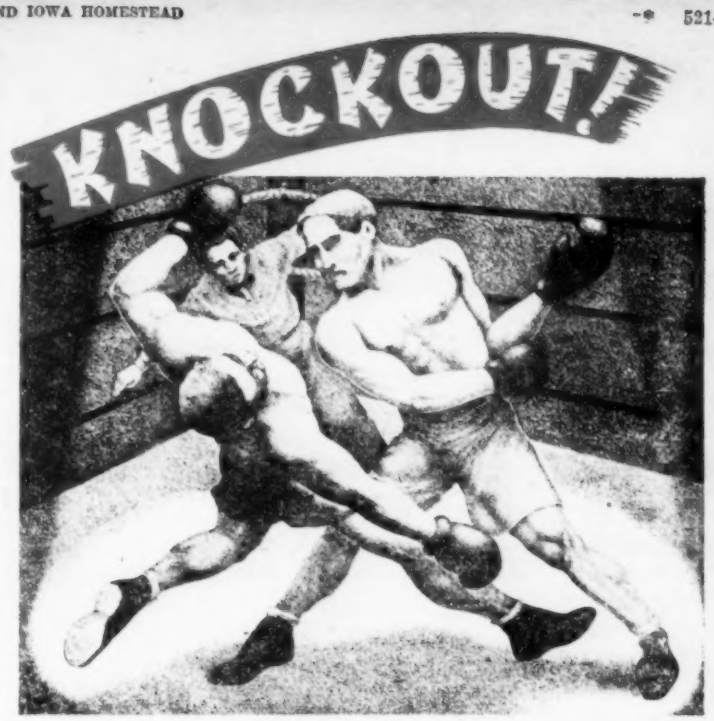
"Oh, Lucille. Now you're being silly."

"No, Tom; let's do it. Maybe that's part of the reason for the accidents we have."

Tom and Lucille did go home. They had a real clean-up, too. They gathered up all the trash, raked the yard. Then Tom thought they should build a picket fence around the house. And the house was painted to match the fence.

And Tom and Lucille didn't go visiting so much, either. As Tom said, "Where can we find a better place to be than at home?"

"If you don't want the saw, just now, here's a less expensive attachment."



HI-V-I KNOCKS ENGINE CARBONS OUT, TOO!

Count 'em out . . . power-robbing gums, carbon deposits and sludge haven't a chance against twin-action HI-V-I lubrication! It cleans as it lubricates, removing all traces of such corrosion . . . leaving in its place a rich, even film of the finest motor-protecting oil ever refined.

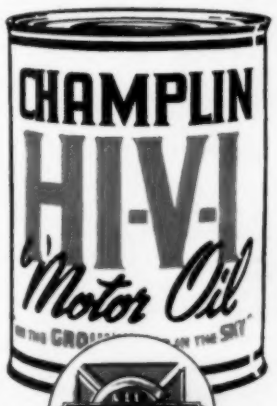
Tractor, truck or car motors respond instantly to the touch of a starter or the turn of a crank, when lubricated with HI-V-I, the oil that flows freely at zero and also stands up at boiling and above.

HI-V-I Oil is refined in the Champlin Refinery from 100 per cent paraffin base Mid-Continent Crude — the finest obtainable anywhere in the world. Here is truly a top-quality motor oil.

There is no chance of close-moving parts grinding together in dry-friction starts, because HI-V-I is refined so clean and pure, so free from carbon, tar and gums, that it gives your car, truck or tractor motors the adequate lubrication needed for variable weather conditions of early spring.

Take the proper care of your expensive farm machinery motors and increase their life . . . HI-V-I will reduce carbon and sludge formations, leaving cleaner, more efficient motors; it gives quicker starts . . . cuts fuel consumption.

Buy HI-V-I in 1 or 5 quart cans, in 5 gallon utility cans or 55 gallon drums . . . whatever the quantity, quality is always the same.



CHAMPLIN REFINING COMPANY
Enid, Okla.
Producers Refiners Distributors of Petroleum Products Since 1916

3 NEW FEATURES FOR THE G.P.&F. Cream City HOODED DAIRY PAIL

1. **New, heavy, round, welded handles . . . easy to carry . . . sanitary . . . no dirt traps.**
2. **Increased curvature at inside bottom of pail . . . easier to clean . . . no place for milkstone or bacteria to collect.**
3. **A heavy second bottom is welded on over the original bottom . . . plenty of durability . . . *plus* a smooth surface that really cleans easily.**

• Add these new features to all its other advantages, and you have the last word in convenient, sanitary, seamless solderless dairy pails.
See it at your dealer or milk plant.

Also see G. P.&F. Open Top Dairy Pails; Seamless Solderless Milk Cans; and Sky-Test Filtering Strainers.

G.P.&F. GEUDER, PAESCHKE & FREY CO.
Milwaukee 1, Wisconsin

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

Thank You....

from an old friend

This month, as Farmers Mutual Hail enters its 56th season of crop protection for Iowa farmers, we'd like to pause for a warm word of thanks to all our friends.

It's especially satisfying to us to know that we have been writing complete protection for growing crops for so many years . . . compensating farmers for so many millions of dollars in hail damage . . . building up a sufficient reserve for policyholders' protection.

To you, of course, the long experience and steady growth of Farmers Mutual Hail will always mean greater security . . . more dependable protection . . . fair settlements . . . prompt, efficient service by men who know your problems.

Many thanks for your patronage, in the past and in the future. We are happy to serve you again this season. And we hope you will continue to think of us as the "old reliable" . . .

FARMERS MUTUAL HAIL INSURANCE COMPANY OF IOWA

1019 High Street Des Moines

NO Spotty SPRAYING

IMPROVED R-H

Ester WEED-RHAP
Amine WEED-RHAP

Assures EVEN Distribution

KILLS WEEDS IN CORN, WHEAT, OATS, GRASSLAND PASTURES

Kill bindweed, ragweed, mustard, cockleburs, thistles, sunflowers and other weeds in field crops with R-H WEED-RHAP.

Improved R-H Ester WEED-RHAP contains "REASOL 33", new Reasor-Hill discovery. This new emulsifying agent assures an even, uniform coverage under all spray conditions.

R-H Amine WEED-RHAP now contains "REASOL 99", a new Reasor-Hill wetting agent development. "REASOL 99" ends clogging troubles caused by hard water. Makes spray mix easier and assures even coverage.

"CHEMICAL WEED CONTROL"

Ask for this new Free Booklet describing the easy way to kill weeds . . . with chemical spray. An easy-to-use application booklet that answers your weed spraying questions.

Get Your FREE Copy Today!

REASOR-HILL CORPORATION
Jacksonville, Arkansas • Kansas City, Missouri

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

SERVICE BUREAU

The Sign of Protection

July 1 Deadline For Vets' Tax Exemption

To the Editor: What is the deadline for filing for homestead and vets' tax exemption? —A. H., Cedar County, Iowa.

You have until July 1, 1949, to apply for your veteran's and homestead exemptions. The exemptions will then be effective for taxes payable in 1950.

No Rent Notice For Croppers

To the Editor: I am renting some extra ground away from my farm. Didn't the landlord there have to give me notice if he doesn't want me to have the land this year? — N. K., Louisa County, Iowa.

Since you are merely farming this land, you are not entitled to the notice by November 1 that tenancy is ended. The law does not apply to croppers who do not live on the land they cultivate.

Tenancy on such land ends on maturity of the crop.

Social Security Tax For Farmers?

To the Editor: If the proposed law to put farmers under Social Security goes thru, how much would we pay in Social Security taxes?—J. P., Appanoose County, Iowa.

Under proposed amendments to the Social Security Act, self-employed persons (including farmers) would pay a tax of 2¼ per cent on their net incomes up to $4,800.

In other words, if you net $4,800 a year or more, your Social Security tax would be $108 a year.

In return, you'd be eligible to receive up to $86.75 a month when you reach 65 or become disabled.

County Roads Throw Water On Land

To the Editor: Does a county have the right to put in roads and ditches so that they throw more water on a person's land? What if the county puts in too small a bridge, so that the water is dammed up and floods crops?—K. N., Turner County, South Dakota.

The county has no right to change the highway drainage from the natural flow of water. It also has no right to increase the flow of water so it is more than the natural water flow.

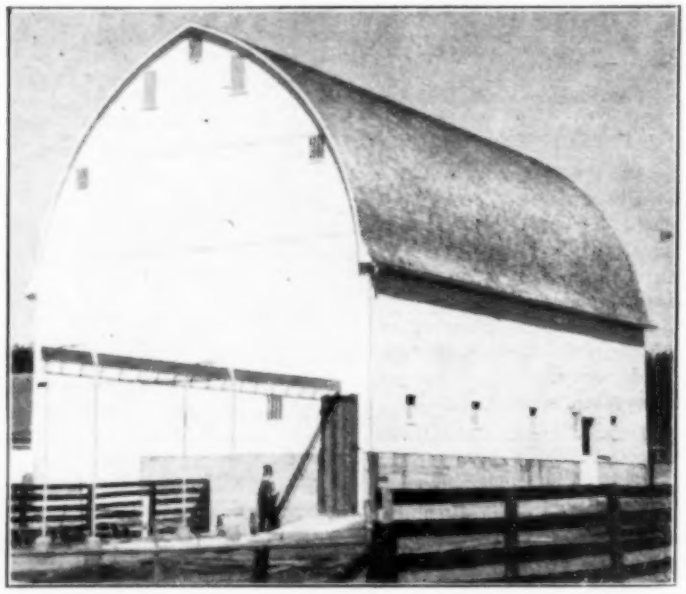
Your recourse is to bring suit against the county. If the changed water flow exists for 10 years, then the county can continue it.

Mulberry Tree Needs No Mate

To the Editor: Can you tell me if there is any way you can stop a mulberry tree from bearing, yet not kill it?—Mrs. E. S., Dallas County, Iowa.

We know of no way this can be done. Mulberry trees have both staminate and pistillate (male and female) flowers on the same tree. So, if the tree has enough vigor to produce buds, it will bear fruit.

High-Pockets Barn

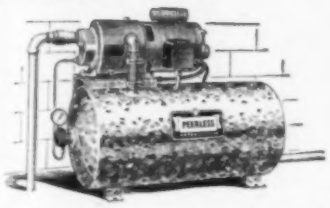


A gravity feeding system made sense to J. C. Beatty, Benton county, Iowa, cattle feeder. So he built a tall barn—46 feet—to make room for overhead bins.

Three bins, with total capacity of 9,000 bushels, take up a third of the second-floor space. The rest is a mow with room for 100 tons of hay. Each bin is 20 feet high, 9 feet wide, 12 feet long.

Steel beams, bolted plates, one-foot joist spacing and eight-ply laminated rafters give the barn the strength it needs. Beatty is sure the extra efficiency of gravity feeding will make the barn cheaper in the long run.

Compact Automatic Trouble-free



Peerless Model H

Shallow Well Pumping System

275 TO 430 GALLONS PER HOUR LIFTS: UP TO 20 FEET

Simplified in design, precision built for lasting, low cost pumping performance. Has only 1 moving part. Utilizes efficient positive displacement pumping action of the famous Peerless Water King. Constant pressure up to 40 lbs. or more. Two tank sizes: 12 gals. and 30 gals. Quiet; space-saving; reliable; easy to install, understand and operate. Write today!

PEERLESS WATER SYSTEMS

MAIL-COUPON FOR FREE PUMP INFORMATION

Peerless Pump Division
Food Machinery and Chemical Corporation
Indianapolis, Indiana

Send free literature on items checked below:

☐ Shallow Well Pumping System ☐ Deep Well Turbine Pumps
☐ Jet Water Systems ☐ Deep Well Reciprocating Pumps

Name
Address
Town State
4E

Insure Future Prosperity

A Productive Dairy Herd Means Less Fluctuation in Farm Income

Past experience indicates that dairy farmers usually receive a higher income than do other types of farmers. Insure your future prosperity: (1) Start to replace your dairy herd now. (2) Feed Blatchford's Calf feeds and watch your calves thrive on these quality products. Let Blatchford's be your insurance for future prosperity! Get your supply at your local feed dealer or write us today!

2266

Blatchford's ESTABLISHED IN 1900 WAUKEGAN • ILLINOIS

WAKE UP YOUR LIVER BILE—

Without Calomel—And You'll Jump Out of Bed in the Morning Rarin' to Go

The liver should pour out about 2 pints of bile juice into your bowels every day. If this bile is not flowing freely, your food may not digest. It may just decay in the bowels. Then gas bloats up your stomach. You get constipated. You feel sour, sunk and the world looks punk.

It takes those mild, gentle Carter's Little Liver Pills to get these 2 pints of bile flowing freely to make you feel "up and up." Get a package today. Effective in making bile flow freely. Ask for Carter's Little Liver Pills, 33¢ at any drugstore.

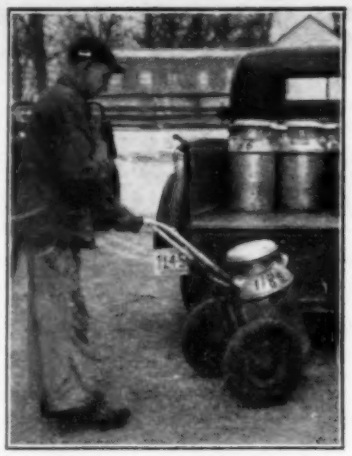
One-man SALLY SAW portable

Gasoline motor. Fells and cuts up. Wghs. 63 lbs. Free Folder. Your farm implement dealer or write Dept. WF

CUMMINGS MACHINE WORKS Boston 10, Mass.

$223.50 F.O.B. Boston

BUY U. S. SAVINGS BONDS NOW



Moving cans from milk house to truck is no problem for Art Svee, Goodhue county, Minnesota. Rubber-tired cart is easy to roll, even thru mud and snow.

Straw Is Part Of Crop

To the Editor: Is there any law requiring that straw be left when you leave the farm? —M. H., Scott County, Iowa.

No. Straw is a part of the crop. So, unless there is some provision in the lease which provides that the straw can not be removed from the farm, you can take your share away or sell it, just the same as any other crop.

School Board Is Not Liable

To the Editor: Our child was seriously hurt when a steel pole fell on her while she was playing in the schoolyard. Can we make the school board pay for damages?—L. E., O'Brien County.

You could not recover damages against the school board. It has no legal liability in this case.

Even if the school board were willing to pay doctor bills, it would not be legal for it to do so. The board can spend money only for legal claims.

What's Fair Share For Keeping Hogs?

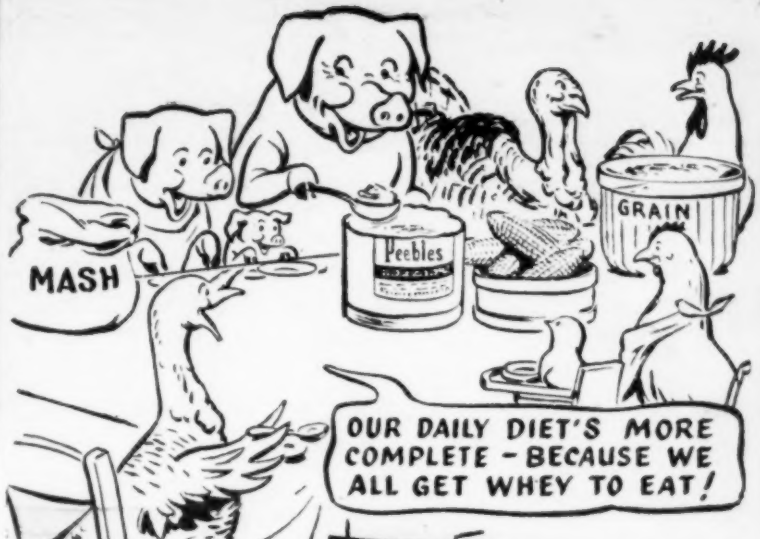
To the Editor: I am keeping some sows for a friend of mine. I will keep them until they are big enough to market. What would be a fair share basis for raising these hogs? — E. Y., Pottawattamie County, Iowa.

Tests at the Iowa experiment station indicate that about 80 per cent of the cost of hogs is feed. The other 20 per cent is labor, equipment, capital investment, veterinary bills, etc.

Your friend will furnish the capital investment. He also furnishes that part of the feed cost represented by the sows. You furnish the labor, equipment and the feed from now on.

It looks as if you should receive at least 80 per cent of the pigs farrowed. Cost of pigs is 80 per cent feed. Your labor and equipment should at least balance his share of feed cost. That leaves his capital investment stacked against your feed bill.

A four-to-one split seems to be justified. The finish you put on the sows, and the payment of veterinary and vaccination bills, should have some effect on the division.



A BALANCED DIET IS GOOD FOR THEM, TOO

● We all can do our best work when we get the food we need. Your livestock and poultry will be able to do their best for you, too, when fed a well balanced ration.

Milk protein, minerals and vitamins are often needed to balance the average ration. You can accomplish this economically by supplementing your rations with Peebles' *Condensed* Whey-Product, with Ribolac. You get more milk nutrients for your money because you get more solids . . . and it's the solids that count!

You say it costs money to balance your rations with an extra supplement? True, but wait until you see how it helps balance your bank account! You get your money back with interest, plus this extra dividend . . . your feeds go farther because they're better balanced. Your livestock and poultry get more good out of *all* your feeds, hence they need less to meet their needs.

An incomplete ration actually is wasteful. One missing nutrient may limit production. That's why the extra growth factors present in natural milk sources are so valuable. These "plus" factors are supplemented by Ribolac, exclusive Peeble's Whey Fermentation Product. So see your dealer today. The better you care for your stock and poultry . . . the better they'll care for you!

*Ribolac, exclusive Western Condensing Company whey fermentation product—added to provide a guaranteed level of Riboflavin—plus other B-Complex vitamins as well as additional growth factors (both known and unknown) present in natural milk sources.

50 and 100 lb. drums, easy to cut in half, and 500 lb. barrels.

You get the benefit of a complete guaranteed analysis... guaranteed 55% solids, guaranteed vitamins D., Riboflavin and Niacin.

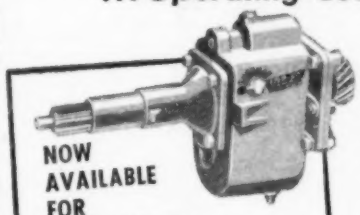
WESTERN CONDENSING COMPANY
Appleton, Wisconsin San Francisco, California
America's Largest Processor of Whey Products

Peebles' *Condensed* WHEY-PRODUCT with Ribolac*

food from the farm... returned to the farm

WHEN COMMODITY PRICES ARE DOWN

...Operating Costs Must Be Cut!



NOW AVAILABLE FOR
- All Ford Tractors
- Allis-Chalmers WC, RC and WF
- All Ferguson Tractors

Need Creeper Speeds . . . or a slower reverse?
Ask about the SHERMAN STEP-DOWN TRANSMISSION

85,000 Sherman "Step-Up" owners save money on every acre they work in a "Step-Up" gear—and they work more acres in a day, too.

Install a "Step-Up" in your tractor and get these benefits by having twice as many working speeds. You select the *best* gear for each job you do—get done faster. You save gas, oil, and engine wear.

Ask your dealer to show you the Sherman chart. See how the "Step-Up" will enable you to do more work at less cost on your farm. See your tractor dealer today, or write us for details.

SHERMAN STEP-UP TRANSMISSION

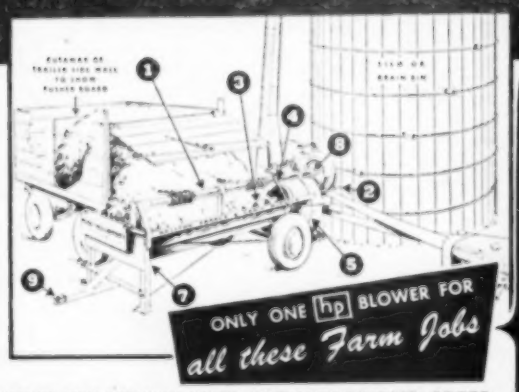
SHERMAN PRODUCTS, INC.
ROYAL OAK, MICHIGAN

It looks like hog flu . . . But IS IT? If they're YOUR hogs, you may be betting your entire year's profit on that question. Because it may be erysipelas, enteritis, or even hog cholera. They look alike . . . but the methods of prevention and treatment are entirely different. That's why it pays to ALWAYS get a veterinarian's diagnosis when disease symptoms appear. Other symptom similarities occur among cattle, horses, sheep, poultry. All these diseases cost farmers upwards of a Billion a year. What will YOUR 1949 stake be in this huge loss? ALWAYS call your veterinarian first . . . always KNOW what you're fighting. It may mean hundreds of dollars difference in your '49 profits.

AMERICAN FOUNDATION FOR ANIMAL HEALTH

Under the Sponsorship of Associated Serum Producers, Inc.

HESSTON FORAGE AND GRAIN BLOWER



UNLOADS FORAGE AND GRAIN CROPS

BLOWS CHOPPED HAY, CLOVER, SORGHUM, CORN, CANE, FEEDS, INTO SILOS

BLOWS WHEAT, CORN, OATS, BARLEY, INTO BINS

DOES BIG HEAVY JOBS WITH EASE AND SPEED

(1) Unloading winch. *(2)* Control lever for winch. *(3)* Heavy steel auger conveyor. *(4)* Control lever for auger. *(5)* Impeller or blower. *(6)* Gooseneck spout (not shown). *(7)* Heavy-gauge steel construction. *(8)* Moving parts are bearing sealed. *(9)* Trailer hitch for transporting to any location.

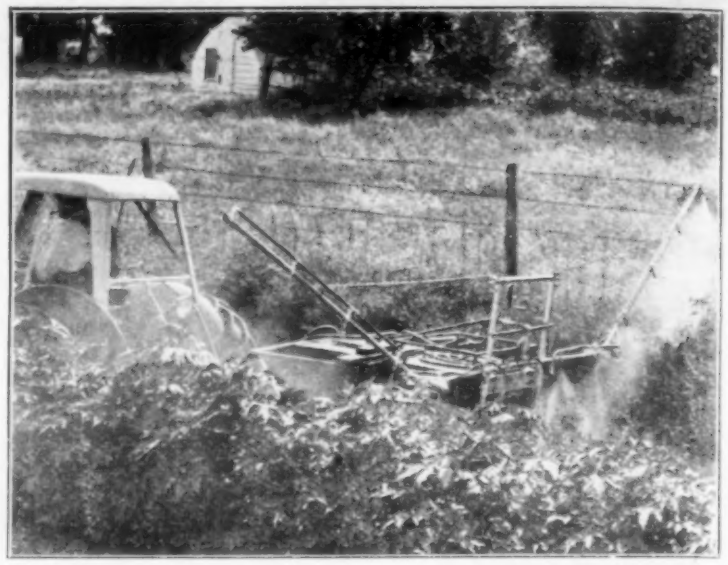
LEAD THE FIELD WITH QUALITY hp FARM MACHINERY

SEE YOUR LOCAL DEALER OR WRITE TODAY

HESSTON hp PRODUCTS

HESSTON MANUFACTURING CO., Inc.
HESSTON • KANSAS

SAFETY FIRST!! Do your buying from firms advertising in Wallaces' Farmer and Iowa Homestead. If you do not find in Wallaces' Farmer and Iowa Homestead the articles you want to buy, just let us know what you want and we will be glad to give you names of reliable firms.



Get Early start if there is a big hatch of grasshoppers. The 'hoppers you poison in fence rows, pastures and meadows while they are little won't damage your corn, oats and seedings later on.

Baby 'Hoppers Are Ones To Kill

Control Most Effective, Less Expensive If You Start When Grasshoppers Hatch

FARMERS in southwest Iowa learned a great deal about killing grasshoppers with chemicals last summer. If the weather this spring brings a serious infestation —eggs are already in the soil— some of last year's mistakes won't be repeated.

Sam Rogers and son Orris, both of whom operate Pottawattamie county, Iowa, farms, used chlordane on 130 acres of corn and 20 acres of soybeans threatened by 'hoppers last summer.

The corn was sprayed by plane, the beans with a ground outfit.

"We got a good kill," Orris says. "But we waited too long. This summer, if the 'hoppers look bad, I think we can control them with a lot less expense.

"The place to get them is in the fence rows, pastures and along roadsides, where they first hatch out. If we had sprayed those places when the 'hoppers were little, we wouldn't have had to cover so many acres," he says.

Entomologists, like Earle Raun and Harold Gunderson, of the Iowa State College extension service, agree that the time to kill grasshoppers is when they are little.

For one thing, 'hoppers usually hatch in a small area. They will be concentrated in such spots. As they grow, they spread out over many more acres. And they do more damage as they grow.

"The grasshoppers killed most of the spring seedings around here, killed some oats and damaged some corn. But you can prevent that with chemicals if you start early and use the right amount at the right time," Orris Rogers said.

He, like Robert Richter, who also farms in Pottawattamie county, told how thick the dead 'hoppers were after spraying.

"When we sprayed our alfalfa, you could go out in some of the rills or little gullies and scrape up dead 'hoppers a bucketful at a time," Richter said.

Several chemicals can be used to kill 'hoppers. Among the recommended ones are toxaphene, chlordane and BHC (benzene hexachloride).

Spray or dust the areas where 'hoppers are hatching. The 'hoppers that damage corn generally hatch in the fence rows or small areas in adjoining pastures and meadows. Treat these areas and a few rows of corn. You can kill the 'hoppers before they move into the corn.

If an entire meadow is infested, you may do well to remove the hay crop and then treat. It depends somewhat on when the 'hoppers hatch.

In any event, do not pasture milk cows, or cattle being fed for immediate slaughter, on newly-treated areas. Wait at least three weeks. The chemicals might not hurt the cattle, but the cows might secrete dangerous amounts in their milk. Or too much might accumulate in the fatty tissues of steers.

Right now, of course, it's too early for you to tell whether you will have to fight 'hoppers or not. But surveys show that dangerous amounts of grasshopper eggs are present in many parts of Iowa.

Favorable grasshopper weather can make them a real threat. So it is wise to be ready.

Toxaphene Effective On Chinch Bugs

The Oklahoma agricultural experiment station says toxaphene is the best insecticide yet tested for the control of chinch bugs.

Spray forms were most effective on corn and sorghums; dusts on small grains. BHC, as either a spray or dust, gave good chinch bug control in small grain, but injured barley plants.

with Nelson's
MASTER-LOK Shingles

You won't worry about wind damage to your roofs if your buildings are protected by Nelson's Master-Lok Shingles. Master-Loks can't "blow up" because they're *locked* on. Each shingle self-locks to adjoining shingles at 4 places, is held down by nails at 6 places. See a demonstration and you'll know why Master-Loks hold *tight* against wind and weather. Easy to apply over old roofing. Get a free estimate.

B. F. NELSON MFG. CO.
Minneapolis, Minnesota

See your LUMBER DEALER

"Now I Can SLEEP"

"Coffee nerves used to keep me tossing and turning. But since switching to POSTUM, I sleep soundly—and friends have commented on my improved appearance."

SCIENTIFIC FACTS: Both coffee and tea contain caffein—a *drug*—a *nerve stimulant*. So, while many people can drink coffee or tea without ill-effect—others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffein—*nothing that can possibly keep you awake!*

MAKE THIS TEST: Buy INSTANT POSTUM today—then drink POSTUM exclusively for 30 days—*and judge by results!* . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

CHAMPION PORTABLE MILL
For Sale or Lease

This 100 H.P. machine has extra large capacity on fine or coarse grinding. Quick delivery, new or rebuilt units with ground level automatic feeder. Will lease complete unit to reliable men without investment or expense. Buy later if desired.

CHAMPION PORTABLE MILL COMPANY
2105 Como Ave. S. E. Minneapolis 14, Minn.

FOR SALE COMBINE UNLOADING AUGERS to fit Baldwin, Oliver 30, Minneapolis Moline G1, 2, 3, 4, John Deere 17, Case K12 and A6, McCormick-Deering No. 122, 123 and 125. This is the fastest and newest auger on the market. V-Belt Conversions for No. 122, SP123 and SP125 McCormick-Deering Combines. Hodges Auger Grain Elevator, with hopper, three-wheel carriage, nothing like it. Write

BRIDGEPORT EQUIPMENT CO., INC.
BRIDGEPORT, NEBRASKA

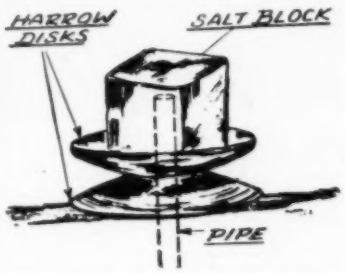
PATENTS Write for information on what steps an inventor should take to secure a patent.
Patrick O. Beavers, 952 Columbian Bldg., Wash. 1, D. C.

HIGHEST CASH PRICES PAID
For New Goose and Duck Feathers
Send yours to an accredited house. Send sample for price on old feathers. Cash 24 hours later.
WEST CHICAGO FEATHER CO.
4456 W. Fillmore Chicago, Ill.

HANDI-HINTS

Pipe, Discs Hold Salt Block

Drive a length of pipe into the ground, and drop a pair of old harrow discs over it as shown. You will have a salt block holder that keeps your block up off the ground and won't hold water.



Most salt blocks have a hole drilled in the center, so they can be dropped over the pipe. Otherwise, it isn't hard to make a hole.

Pipe and discs probably will rust badly from the salt. But a coating of hard cup grease will help keep rust down.

How To Mark Your Name On Tools

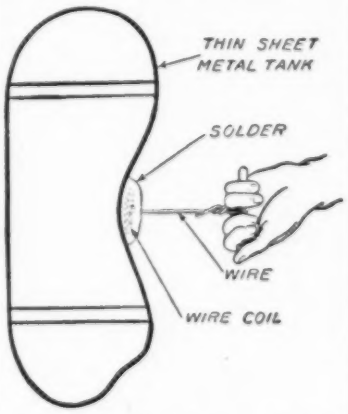
Here is a simple way to mark your tools. For power, use a well-charged storage battery with a heavy wire and clip attached to each battery post.

Prepare an electrode by sharpening the carbon post from an old dry cell. Fasten this in one clip, and the other clip goes on the tool. Then write your name or initials with the carbon point.

This works especially well on chrome or vanadium finished tools. It makes an indelible mark which can be removed only by filing or grinding. You should have several electrodes, as they soon get red-hot.

How To Straighten Metal Tanks

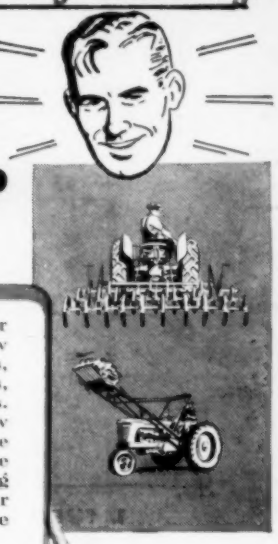
If you can't reach the dented spot in a metal tank, or can't force it out with water pressure, here's how to straighten the dent out:



Make a coil on the end of a No. 9 wire and solder it onto the tank at the dented place. When the wire is solidly attached, pull with one hand and at the same time pound around the outside of dent with a rawhide or other soft hammer.

After the dent is straightened, you can melt the solder off. If the tank can't be soldered, you can weld a wire to the dent.

"Now I use my tractor for both Lifting and Pushing!"
WITH A
HI-LO-PAC HYDRAULIC PUMP



The labor saving HI-LO-PAC makes your tractor more valuable than ever. Throw one of the levers to raise or lower plows, cultivators, mowers, combine platforms, grain drills, hay pushoffs, manure loaders. It will also angle or straighten disk harrow gangs and do many other jobs. Tillage implements are controlled by the double acting Char-Lynn cylinder. Mounting brackets are available for popular tractor makes and models (please specify). See your implement dealer, or write us.

- RUNS 2 HYDRAULIC SYSTEMS AT ONCE
- PRESSURES UP TO 1,000 LBS.
- CAPACITY—2½ GALLONS

VALVES . . . CYLINDERS . . . BREAK-APART COUPLERS

V. A. Pierce, Pittsfield, Pike County, Illinois, feed dealer, shown at his desk discussing Pay-U Large Roundworm Expeller for Hogs. He thinks he holds some kind of a record because he's sold enough Pay-U to treat more than 10,000 pigs and hogs.

Dealer Rids 10,000 Pigs of Poisonous Roundworms

"If you want to get rid of large roundworms in pigs easy and fast," V. A. Pierce, jovial Pittsfield, Ill., feed dealer, advises his customers, "then mix Pay-U Large Roundworm Expeller with your feed.

"I ought to know, because I've sold enough of it to farmers right around Pittsfield to treat more than 10,000 pigs. And I've never seen anything like the way it gets those worms.

"I like to recommend Pay-U because it's so easy to use. You just mix it with their feed, or have your feed-mixer mix it for you. That's all you do. The pigs treat themselves. And you should see how they start putting on weight after they're free of those worms!"

The reason Pay-U gets 95 percent, or more, of large roundworms is that it contains sodium fluoride, which is highly recommended as a hog worm expeller by U. S. Department of Agriculture scientists. In addition, Pay-U contains other ingredients—a gentle laxative that helps the expelling action, and blood-building minerals which help repair worm damage. If your dealer does not have Pay-U Large Roundworm Expeller for Hogs, write Pay-U Laboratories, Inc., Quincy, Ill.

Are You Satisfied with Your Plow?

If you are not satisfied with your present method of plowing, check these six reasons for changing to the Towner *Two-Way Disc Plow:*

1. TURNS THE EARTH TWO WAYS
...providing double mulching without burying the top soil.

2. LEAVES THE LAND LEVEL...
and returns earth to its *original* position. No annual "migration" of top soil to right or left.

3. CONSERVES HORSEPOWER...
Rolling Moldboards give less drag, freeing horsepower for useful work.

4. CUTS FULL WIDTH AT UNIFORM DEPTH...
assuring a complete tillage job and a level field.

5. TURNS RIGHT OR LEFT...
making possible any field pattern you wish.

6. CUTS 6" TO 8" DEEP...
or as shallow as desired.

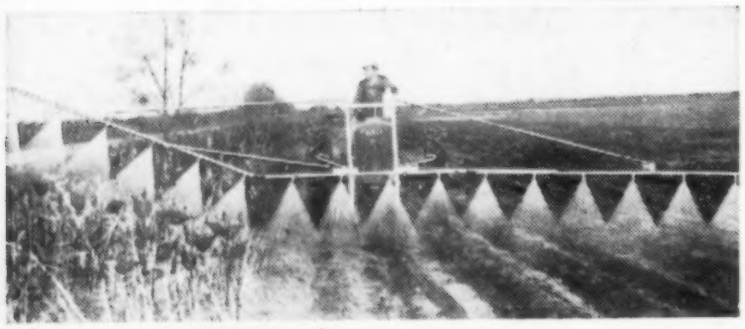
Yes, the Towner Two-Way Disc Plow is a welcome improvement over moldboard or one way disc plowing . . . and it's also the answer for orchard and vineyard work, summer fallowing, seed bed preparation, vegetable farming, and for turning under grain stubble, cotton or corn stalks. Compare this with any other tillage tool.

Ask Your Towner Dealer for a Demonstration

TILL WITH TOWNER "Best in Earth"

or write
TOWNER MANUFACTURING COMPANY
Since 1915 • Santa Ana, California

KILL WEEDS
THIS FAST, LOW-COST WAY



DED-WEED ★ The Proved 2, 4-D WEED-KILLER

Does the Job on All Kinds of Weeds

DED-WEED is available in several amine salt and ester type formulations. It may be diluted with *hard or soft water* without developing nozzle-clogging sludge. Ded-Weed is a prompt and positive killer — will not harm crops when properly used.

FREE technical bulletins. Ask your dealer or write direct.

KILL INSECTS . . . BOOST PRODUCTION. Kill profit-destroying insects with Thompson-Hayward "use-tested" insecticides.

92 ★Reg. U. S. Pat. Off.

MINNEAPOLIS OKLAHOMA CITY DES MOINES DAVENPORT ST. LOUIS

AGRICULTURAL THOMPSON-HAYWARD DIVISION KANSAS CITY, MO.

WICHITA CHICAGO OMAHA DENVER TULSA

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead.

These pigs haven't been out of this shed since November. Donald Mehlman, of Cass county, Iowa, raised 38 from five sows, fed them ground corn and oats, supplement, mineral, plenty of fresh water and some skim-milk. Tops weighed 237 pounds at 5½ months of age.

Expand Corn Crop Insurance

Growers In Nine Counties Can Buy Protection Against Everything From Drouth To Insects

FIVE years ago, the government offered corn crop insurance in two Iowa counties, on a trial basis. For 1949, farmers in nine Iowa counties will be offered the insurance.

In the first trials of corn insurance in Iowa, two kinds of insurance were offered. One was yield insurance. The other was investment insurance.

Under the yield insurance plan, you gave a certain number of bushels per acre, or cash to match, for the guarantee of a specified yield. This was tried in Marion county.

Under the investment plan, the farmer paid a cash premium per acre, and got a guarantee of a certain number of dollars per acre. This was first tried in Buena Vista county.

In the five years since these first trials, some counties have been dropped and others added to make the nine at present. Only one type of insurance is offered—the investment type.

The intent of the investment type of insurance is to cover out-of-pocket expense in planting and tending a corn crop. It does not pretend to cover the full value of the crop.

The corn crop insurance is all-risk insurance. It protects the farmer against dry weather and wet weather, heat and cold, insects and wildlife, hail, wind and plant diseases.

The government crop insurance does not replace hail insurance, necessarily, says Maurice O'Reilly, Iowa crop insurance head. Farmers can carry both and get full payment from each.

The counties in which corn crop insurance will be offered this year are Buena Vista, Osceola, Floyd, Story, Washington, Madison, West Pottawattamie, Cerro Gordo and Union.

Buena Vista county has been in the corn insurance program five years. Cerro Gordo and Union were added this year. The others are starting their second year.

Under the all-risk insurance plan, a farmer with 100 acres of corn might be able to carry either $20 or $25 per acre insurance. The premium would be from 50 to 80 cents per acre.

The amount of insurance that can be carried per acre is fixed for each county according to the production in that county. And the premium is fixed according to the risk in that county.

For instance, the amount of insurance might be $25 per acre in Buena Vista county, but only $20 per acre in Madison county. And the premium might be higher in Madison county.

You can find out the total insurance permitted for your county and the premium rate by inquiring at your county AAA office, or by asking your township committeeman.

The insurance works like this: If a farmer has 100 acres of corn, if the permitted insurance is $25 per acre and the premium rate is 70 cents per acre, then he would pay $70 for the protection.

If the corn was totally destroyed by drouth or other cause, he would get $2,500. If the corn was partially destroyed, it would work like this:

We'll say the total value of the crop was $15 per acre. Then the farmer would get a check for $10 per acre, or $1,000.

Current corn loan rates are used in figuring the value of a partially destroyed crop, if the corn is eligible for a loan. If the corn is not eligible, the actual value or the market value is used.

Township AAA committeemen sell the insurance. April 30 is the last date for making application. The premium is due August 15. Five per cent discount is allowed for payment before June 30.

Behlen Hand-Hydraulic
WAGON DUMPER

Here's a handy dumper! Takes only 90 seconds to dump heaviest loads. A boy can do it, like jacking up your car.

Dump anything — *anywhere!* Wagon box raises plenty high (see photo). Wheels stay on ground. No need to unhitch horses or tractor.

Behlen Hydraulic Wagon Dumper fits most all wagons. Reasonably priced. Thousands in use. Full particulars in FREE illustrated folder. Fill out coupon now!

Behlen Mfg. Co., Columbus, Nebraska

DON'T WAIT! MAIL TODAY!

Behlen
MANUFACTURING CO.
COLUMBUS, NEBR., DEPT. 312

Gentlemen:
Please send me FREE illustrated folder on Behlen Wagon Dumper, and name of convenently located Behlen dealer.

Name _____
Route _____
Town _____ State _____

SHEAR YOUR OWN SHEEP
Sunbeam
with STEWART famous
SHEARMASTER

MORE WOOL
MORE PROFITS
LESS LABOR

Fast, easy-to-use electric Shearmaster removes fleece in a few minutes. Gets 10% more wool than hand blades from same sheep. Retains maximum length of wool fibre, wool grades higher—brings more money. Powerful, cool-running motor inside special EASY-GRIP handle. Rugged, built-in durability. Has year 'round use for shearing the flock, tagging, crutching, removing wool from dead sheep, etc. Only $39.75. Write for bulletin "Harvesting the Farm Flock Wool Crop."

SUNBEAM CORPORATION
(formerly Chicago Flexible Shaft Company)
5600 W. Roosevelt Rd., Dept. 101, Chicago 50, Ill.

DU PONT
REG. U.S. PAT. OFF.

AGRICULTURAL CHEMICALS AND INSECTICIDES

2,4-D Ester 2,4-D Powder 2,4-D Amine
Ammate DDT

COLORADO .44 CHLORDANE

See your local dealer or write us direct for complete information on your pest control problems.

CARL W. NIDY AND COMPANY
DISTRIBUTORS
319 Fourth Street Des Moines, Iowa

STOP DISEASE LOSSES IN LIVESTOCK
VACCINATE WITH
ASL BACTERINS
FOR BLACKLEG, SEPTICEMIA
SHIPPING FEVER, UDDER INFECTIONS

Sold by leading dealers.
American Scientific Labs., Inc.
Box 232, Madison 1, Wis.

TAT
MO-GO
KILLS MOLES AND GOPHERS
NEVER FAILS!
MONEY-BACK GUARANTEE!
LEADING CONTROL FOR 15 YEARS!
Enthusiastic users coast to coast. $1 for 300 baits if dealer cannot supply.
Dept. 30, O. E. LINCK CO., INC., Clifton, N. J.

OUTSIDE STUFF

THE difference in the length of the growing season in southern and northern Iowa always seems most pronounced in March. During the middle of March, I worked two weeks in southern Iowa. Then I went into the northern tier of counties. It seemed like spring had suddenly received a two or three-week set-back.

• • •

FARMERS who face community-wide problems of weed and insect control seem to realize the value of cooperative, democratic action better than most folks.

• • •

BUT plenty of farmers who have seen a neighbor's thistle seed blow over their land also realize that even a democracy has need for quite a lot of punitive authority. Or so they've been telling me. In some other states, weed law enforcement men have that authority, too.

• • •

LAST winter, I was amazed at the penmanship in a letter I received from W. L. Jackson, of Floyd county, Iowa. Recently, I saw him and asked about that writing. It looked like the fancy script on a high school diploma.

• • •

"WHEN I was a kid, I spent a year in a school at Quincy, Ill. That's all we did—just practice writing," he explained. I asked about jobs in the fancy writing field. Jackson said he probably could still get work, making diplomas and so on, but he preferred to farm.

• • •

"SOME people sure are surprised when they see an ordinary old farmer write like that, tho," he said, with a chuckle.

• • •

ESPECIALLY at this season of the year, the noon-time conversation of a bunch of farm editors would amuse practicing farmers.

• • •

DURING lunch, we worry and argue as much over buying 200 pounds of lime and a couple of sacks of lawn fertilizer as you would over buying a carload of 0-20-0. Transplanting a shrub becomes a big project. And most of us once helped build 80 rods of real fence in less time than it now takes us to put up a backyard fence on a 50-foot lot.—W. D. Inman.

"I can't tell you his shirt size, but his neck fits right here."

GEHL
SINCE 1859
PRONOUNCE IT "GALE"

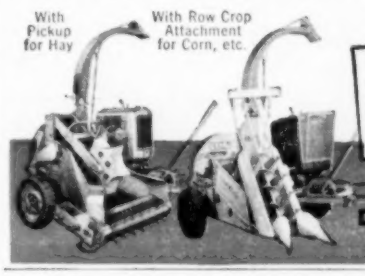
Now
IS THE TIME TO
see and compare Forage Harvesters

Be sure you see the Gehl . . . a pioneer Forage Harvester, *time* and *field tested*. Thousands in use. Just the kind of a machine you'd expect from experienced Gehl engineering.

That famous Gehl cutting mechanism, doesn't shred the fodder, it REALLY CUTS . . . *clean* and fine, as it should be. Makes silage the way you want it. With row-crop attachment, it cuts standing corn . . . tall, short, straight or tangled; chops and blows it into trailer-wagon or truck.

Pickup attachment works fine on windrowed hay or combined straw. Separate blower elevates the forage to silo or any part of mow.

The Gehl Forage Harvester has its own engine and is easily handled by ONE MAN and a light tractor. Available, too, with power take-off. ASK YOUR NEIGHBOR who owns one. The many outstanding features of the Gehl Forage Harvester are explained in a FREE BOOKLET, mailed on request with name of dealer.



"Gehl Sales are Blowing a Gale"
Our production is up, but still we can't keep up with the demand. The Gehl Forage Harvester is winning MORE and MORE farmer customers every day. Order early to be sure you get a Gehl.

GEHL BROS. MFG. CO.
Dept. MD-164 West Bend, Wis.
There's nothing better than a Gehl

WHAT'S A
PLUS?
WORK GLOVE VALUE

Yes—just what is a plus work glove value? Surely if you wear work gloves, you'd like to know. It's so easy to find out. Just call on your nearest Wolverine dealer and slip your hands in a pair of genuine

WOLVERINE PIGSKIN
WORK GLOVES

They're tanned by the secret Wolverine Triple Tanning Process. Plus wear—plus comfort—a combination of both you never thought could be possible in a work glove. See your dealer—learn what a plus work glove value really is.

Now—because
LANOLIN
That amazing softening ingredient has been added to the Wolverine Tanning Process, Wolverine Pigskin Leather is softer, smoother than ever before.

FREE Wolverite Mechanical Pencil, writes 22,000 words without reloading. Get one free. Sign coupon below, hand it to your Wolverine dealer, then try on or inspect a pair of Wolverine Pigskins.

WOLVERINE SHOE & TANNING CORP.
Rockford, Mich.

To all Wolverine Dealers: Bearer is entitled to Wolverite Pencil, after inspecting a pair of Wolverine Pigskin Gloves.

Name _____
Address _____
Dealer's Name _____ WF-4

BUY U. S. SAVINGS BONDS—THEY ARE PROTECTION FOR LATER YEARS—BUY SOME TODAY!

Homemaking Department

Edited by **ZOE MURPHY**

Even boys are interested in spring-time sewing. Michael watches his mother, Mrs. Joe Gamble, of Cedar county, Iowa, put the finishing touches on a pretty curtain.

Spring-Time Sewing

YOU who like to sew will be thrilled by the wide array of fabrics on dry goods counters this spring. Said one farm woman: "Never have I seen so many good fabrics, such variety of patterns and such uniformly good quality as now."

Here's a new material—announced as one of the wonders in post-war textiles. It's made of cotton, with fine aluminum threads woven in to make metallic stripes or plaid effects.

The aluminum threads are combined with acetate. It will not tarnish, and is free from odor. The cloth can be washed or dry cleaned—must be handled as you would handle acetate rayons. Launder carefully, using lukewarm water and a cool iron.

Iridescent materials are another exciting attraction on yard goods counters. You can find them in cotton chambrays, rayon shantungs and broadcloths, also in some sports denims.

How do they get this changing color effect, or iridescence? It's in the weave. For the ordinary chambray, cross-wise threads are always white. Color or stripe effects are brought in on threads which run the length of the goods.

But in iridescent chambrays there are colored threads running both ways. For example, one piece had lavender threads cross-wise and blue threads length-wise of the goods. The effect was truly a changing "lavender-blue."

A similar method is used in other iridescent materials. One denim gave the effect of a different color on the wrong side. This was due to the method used in weaving.

Cotton manufacturers seem to have outdone themselves in the variety and quality of their offerings. Ordinary chambray—both plain and in stripes—is very popular this spring.

When you come to prints—to be made into house-dresses and the like—many of the patterns being shown have small figures and often black backgrounds. Some remind one of Grandmother's old calico. But they possess qualities that Grandmother never dreamed of.

You can find offerings that are really color-fast, also sanforized or pre-shrunk. Watch the labels on the materials for this. It is doubtful if cheaper prints that do not contain these features are a wise purchase.

Of course, you can find prints in the lighter colors, too. In a higher price-bracket you'll find prints that have finer threads and a softer, smoother effect.

These make up nicely for your better cotton dresses. All of the prints have prettier and clearer colors and more attractive patterns than last year.

There are cottons for all kinds of clothes — from sports wear to dress-up dresses.

A waffle weave pique, which comes either plain or figured, is new and interesting. This is an addition to a full assortment of regular piques.

Ginghams come in a wide range of prices, in many lovely plaids. Price seems to vary with the fineness of the thread. Some are mercerized. Nearly all of them are marked color-fast and sanforized.

You'll find many sheer materials, such as batiste, dimity, organdy, dotted swiss. These are available in quantity for the first time in several years. They'll make lovely summer washables for the younger folks. Look for those that have permanent finishes—that is, dots woven in, not pasted on—and crispness that survives washing and ironing.

There are corded materials, too. Some are cotton, some are rayon. All of them are marked washable.

In looking over rayon materials, you'll find an improvement in washability. One maker's label reads: "Unconditionally guaranteed for washing." These come in both prints and plain colors.

Rayon butcher linen comes in two weights, and is marked pre-shrunk and wrinkle-resistant. That should make it more practical. To make rayon materials resistant to wrinkling, they are treated by a resin process. Rayons so treated include gabardines and suiting material. The latter is lovely for suit-dresses.

Shantung, with its characteristic nubby weave, is particularly popular this spring. It comes both in rayon and silk. The silk is very beautiful, and seems impossible to wrinkle.

Silks are making their appearance after several years' absence. There are many nice silk prints.

More daring and striking use of color is noticeable this year in all materials. The dark background is one innovation. For such, gray is often used. One clerk remarked: "I've never seen more blues and lavenders." They're very popular.

Figures in patterns are of all sizes, but small figures predominate. The "paisley" design is often seen. And stripes abound, in varied arrangement.

Mrs. Walter Klopping (center), of Pottawattamie county, Iowa, inspects the harness of the ox that is about to take her and some of the other members of the party for a "spin."

Woman-To-Woman Report On Europe

Ten Iowa Women Give A First-Hand Report Of Extended Tour Of Europe

IF YOU want to find out how the Marshall Plan works, just go over and talk to the people who are receiving help under it. That's what some 30 midwestern farm women have done recently.

Of course, it wasn't as simple as that—it was a well-organized tour, planned so that the women would be able to get into the homes and talk with farm women in nine different countries in Europe.

This tour was under the direction of Mary Foster, a well-known midwestern radio commentator. Ten of the 30 women in the tour were from Iowa farms.

Mrs. Walter Klopping, of Pottawattamie county, Iowa, said that "Foreign countries need reassurance as well as the help—they feel the United States is their only hope."

She went on to say that living conditions in all of the countries they visited were far below ours. For instance, in Germany the visiting women were astonished at the primitive methods employed by German farmers. At the same time, they were amazed at the great production some of the farmers were able to achieve.

They all agreed that German farmers work hard. And many of the women felt that the trip thru Germany was the high spot of the tour.

Many thought that England is making the hardest and most successful effort to get back on its feet. English people were strictly rationed, but Mrs. Klopping said she saw fewer black markets in England than in any other country visited.

Switzerland—the country which didn't experience war—had the highest standard of living. Women in Switzerland had more appliances and more modern help than any other country.

Hundreds of women would have liked to have made this trip to Europe, but the number had to be narrowed down to 30. Each woman accepted with the understanding that she would report back to her community on her observations.

In addition to Mrs. Klopping, the Iowa women on the tour were: Mesdames J. J. Meyers, Carroll county; Edwin Mitchell, Pottawattamie; Hattie Giese, Harrison; Ralph A. Olesen, Hamilton; J. W. Knutsen, Palo Alto; Louisa Pitka and Florence Steffy, Poweshiek; S. O. Knudson, Buena Vista and Lawrence Ricke, Hamilton.

Placing Trees And Shrubs

WHILE planting things is second nature to most Iowans, setting out individual plants and getting them to grow so they will have the most effect on beautifying the home grounds may be unfamiliar and require planning.

That's why John Fitzsimmons, extension landscape architect at Iowa State College, offers these planting suggestions.

First on his list of suggestions is to dig the hole big enough to allow good root-spread. A shrub should be set in a hole that is one and one-half inches deeper than that from which the plant was dug.

Soil needs to be pulverized and packed around the roots by hand when the plant is set out. Remove all the deadwood above the last live bud.

Placing of trees is important, especially if they are to be used for supplying shade around the house. Fitzsimmons suggests that such trees be considered as an element of appearance as well as a canopy of shade.

Besides windbreaks and shade trees that can be planted this spring, Fitzsimmons suggests setting out some smaller ornamental trees, such as crabapple, redbud or hawthorne, that can be used effectively toward the back of a farmstead or lawn.

Good together—for dessert

Fig Tapioca

RECIPE: Mix ⅓ cup tapioca, ½ cup sugar, ¼ tsp. salt, add to 2 cups rapidly boiling water. Stir over low heat about 5 min. until tapioca is clear. Cool 15 min., add grated rind and juice of 1 lemon. Fold in 1 cup coarsely chopped dried figs, scalded, ½ cup coarsely cut walnuts. Mix well, chill and serve with whipped cream.

Fragrant Coffee

Here's flavor and freshness that keep the cups coming back! Hills Bros. Coffee is richly satisfying . . . thanks to the skillful blending of the world's finest coffees . . . and to "Controlled Roasting." This exclusive Hills Bros. process roasts the blend *a little at a time*—continuously—for uniform perfection. Every pound of Hills Bros. Coffee is exactly the same, and it's vacuum-packed, for utmost freshness.

2 GRINDS

✓ Regular Grind
✓ Drip and Glass-Maker Grind

Everybody likes Hills Bros Coffee

FREE 28-page booklet, "The Art of Coffee-Making." Write to Hills Bros. Coffee, Inc., San Francisco 19.

Trademarks Reg. U.S. Pat. Off. Copyright 1949—Hills Bros. Coffee, Inc.

Let's Get Ready To Sew

No. 1891 — For your busy household chores—a slimming housedress with side closing, rick-rack trim. Sizes 34, 36, 38, 40, 42, 44, 46 and 48.

No. 8400—The perennial favorite in a buttoned-front version with comfortable cap sleeves. Comes in sizes 14, 16, 18, 20, 40, 42 and 44.

No. 1775—Another graduation dress that's easy to sew. Simple and smart, with a crisp ribbon belt. Sizes 12, 14, 16, 18 and 20.

No. 8386—A lovely junior frock that's perfect for graduation—nice for dates later on. Sizes 11, 12, 13, 14, 16 and 18.

No. 8439—Easy sewing for the beginner is this draw-string dress that's cut all in one piece. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 8117—This dainty little two-piecer for young girls will give them such a grown-up feeling. Sizes 8, 10, 12, 14 and 16 years.

No. 1782—As sweet as her smile, and such fun to wear! A bow-trimmed dress for tots, with matching bonnet. Sizes 2, 3, 4, 5 and 6 years.

No. 8443 — Expressly for the woman of larger size is this charming frock for summer afternoons. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

No. 1767—Quick to make. Note pretty scalloped sleeves. Sizes 11, 12, 13, 14, 16, 18.

No. 8430—Gay apron, just right for kitchen or hostess duties. Finish with bright applique. Sizes 12, 14, 16, 18, 20, 40, 42.

Patterns can be secured for 25c in coin or stamps, coin preferred. New Spring and Summer FASHION Book is also 25c. Very interesting! Send all orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION—Give name and address when you write.

COOKERY CORNER

PINEAPPLE DROP COOKIES

- ¾ cup lard
- ¾ cup butter
- 1 cup sugar
- 1 egg
- ½ cup sour cream
- ½ cup pineapple juice
- 3½ cups flour (about)
- ½ teaspoon salt
- 1 teaspoon baking powder
- 1 teaspoon soda

Measure and sift dry ingredients together in a bowl. Cut in shortening, as for pie crust. Add beaten egg, pineapple juice and sour cream. Stir only enough to blend. Drop on oiled cooky sheets. Press a small piece of pineapple into each cooky. Bake at 400 degrees until light brown (about 12 minutes). — Miss Orvad Koenigsberg, Franklin County, Iowa.

PLUM PIE-CAKE

- 3 tablespoons quick-cooking tapioca
- ½ teaspoon salt
- ¼ teaspoon cinnamon
- 1 cup drained, pitted, canned plums
- 1½ cups plum juice
- ½ cup water
- 1 tablespoon butter
- 1 tablspoon lemon juice
- 2 eggs
- ¼ teaspoon cream of tartar
- ½ teaspon salt
- 6 tablespoons sugar
- ½ cup sifted cake flour

Combine first seven ingredients in saucepan. Cook until mixture reaches full boil, stirring constantly. Remove from heat; add lemon juice. Pour into greased two-quart baking dish and keep hot. Beat eggs with cream of tartar until very thick and lemon-colored, adding sugar gradually. Add flour all at once and stir till smooth. Turn out over hot fruit mixture. Bake at 325 degrees for about 50 minutes, or until cake is done. Serve warm with or without whipped cream. Makes eight servings.—Mrs. L. W. Todd, California.

PEACH LAYER PUDDING

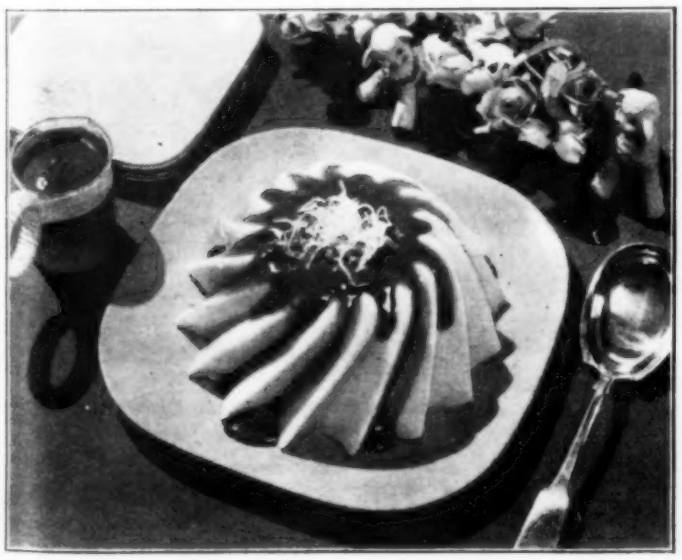
- 3 cups soft bread cubes
- ½ cup butter
- 1 cup sugar
- 3 teaspoons baking powder
- 1 teaspoon mixed spices
- 1 teaspoon lemon extract
- 3 eggs
- 4½ cups corn flakes
- 2 cups cooked, sweetened peaches
- ½ cup syrup from peaches
- 4 tablespoons honey

Toast bread cubes lightly. Cream butter, add sugar and cream thoroly. Add bread cubes, baking powder, spices, flavoring, and mix. Add well-beaten eggs, mix thoroly. Add uncrushed corn flakes and mix lightly. Pour half of batter in greased baking pan. Place drained peaches over batter in a layer and cover with remaining batter. Combine honey and peach syrup and pour over top. Bake about one and one-fourth hours in a moderate oven. Makes 12 servings.—Mrs. Bud Crawford, Custer County, Nebraska.

LOVE KNOTS

- 1 cup butter
- 1 cup sugar
- Yolks of four eggs, well beaten
- ½ cup sour cream
- 1 teaspoon soda in cream
- 1 teaspoon vanilla
- 4 cups flour

Mix in order given. Roll out to thickness of your finger, cut into strips and form into knots. Dip in slightly beaten egg whites. Bake 10 minutes at 350 degrees.—Mrs. Herbert Andrews, Buena Vista County, Iowa.



Coconut Mound Dessert

- 1 envelope unflavored gelatin
- ½ cup cold milk
- 1¼ cups hot milk
- ¼ cup sugar
- ¼ teaspoon salt
- ½ teaspoon vanilla
- 1 cup shredded coconut, finely chopped

Soften gelatin in cold milk. Add hot milk, sugar and salt, and stir until dissolved. Add vanilla. Chill until mixture is the consistency of unbeaten egg whites. Stir in shredded coconut. Turn into large or individual molds and chill until firm. Unmold and serve with chocolate sauce. Yield, six servings.

Good Things To Eat.....

by MARY FOSTER

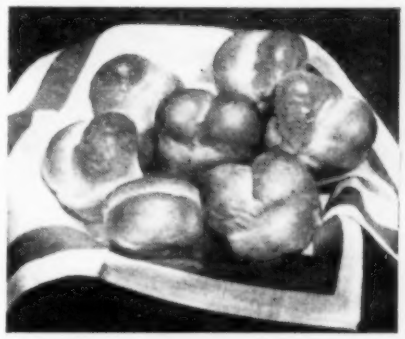
You'll be amazed how easy it is to make really *delicious rolls!* Simply use this recipe and *Mother's Best Enriched Flour!*

Women tell me they are delighted with the glorious success Mother's Best always brings them. Cakes are so tall, fine-grained and moist. Pie crusts are a joy—always so tender and flaky.

Many are now doing more baking than ever before, since trying Mother's Best Flour. *Everything turns out so well.*

If you haven't yet discovered this kind of baking success, try Mother's Best Flour soon.

Start now. Bake these delicious rolls for your family. This recipe makes dough for five dozen rolls, but you bake only as many at a time as you need. Save the rest of the dough in the refrigerator. Bake them soon with Mother's Best Enriched Flour.



RICH REFRIGERATOR ROLLS

- 2 packages yeast, compressed or dry.
- ¼ cup lukewarm water
- 1 cup milk
- 2 teaspoons salt
- ¼ cup sugar
- ½ cup shortening
- 3 eggs, beaten
- 4½ cups sifted MOTHER'S BEST FLOUR

Soften yeast in lukewarm water. Scald milk. Add salt, sugar and shortening. Cool to lukewarm. Add 2 cups flour. Beat well. Add softened yeast and eggs. Blend thoroughly. Add remaining flour to make soft dough. Turn out on lightly floured board and knead until satiny. Place in lightly greased bowl. Cover and let rise in warm place (80° to 85° F.) until doubled (about 1 hour). Punch down. Form into smooth ball. Grease surface lightly, cover and put into refrigerator. When wanted, remove dough from refrigerator and punch down. Mold at once in any desired shape. Or, if preferred, let dough stand in warm room for an hour before molding. Place rolls in greased pans and let rise until doubled (about 45 min.). Bake in hot oven (425°) 15 to 20 minutes. Makes about 5 dozen rolls.

Send for these Recipes from the OLD COUNTRY

I know you'll want this collection of old recipes from Europe. They were gathered when the 30 midwestern women and I visited the old country. Many have been in European families for generations. They are from Holland, Belgium, France, Germany, England, Switzerland, Italy, Ireland, Austria. All in a booklet, together with pictures of our tour. Yours for only a label from any size sack of Mother's Best Flour and a 3c stamp to help with mailing and handling. Write Mary Foster, Box 1217-WF Omaha, Nebraska.

OUR FAVORITE PANCAKES!

Just about everyone I know who has tried these old-southern pancakes says they are positively the best they have ever eaten.

The secret is an old-southern recipe, all mixed and ready for you. Simply add water or milk, and bake on a hot griddle. Try them soon. Ask your grocer for my DIXI-ANNA PANCAKE MIX. You'll love 'em!

Did you know you should never wash the enamel surfaces of your range while they are hot? If you do, they will crack and "craze."

Here's a Real Bargain! $2.30 Flower Garden Only 25¢

Only a few days left to get in on this really wonderful offer! Think of it—you get this complete flower garden, all genuine W. A. Burpee Seeds, almost for the asking!

They actually cost $2.30 in the famous Burpee Seed Catalog. Twelve packets in this collection.

You get them for only 25c and the label from any size sack of Mother's Best Enriched Flour. . .

Includes Zinnias, Snapdragon, Marigolds, Asters, Petunias, Alyssum, Mixed Annuals for Cutting, Annuals for Bedding, Morning Glory, Candytuft, Forget-Me-Nots.

Don't put off. This offer ends soon. Send 25c and your Mother's Best Flour label to . . . MARY FOSTER, Box 1217-WF Omaha, Nebraska.

Mother's Best ENRICHED Flour

Cut Soap Costs 1/2

Put Aside Expensive Flakes and Powders

★

Wash EVERYTHING with

BLUE BARREL SOAP

• Heaps of Suds—Even in Hardest Water • Marvelous for Floors, All Woodwork • Gets Clothes Whiter, Brighter—*Faster* • Makes Glassware Sparkle, Dishes Gleam

COMPARE BLUE BARREL SOAP FOR COST with Anything You've Ever Used—

The Big White Bar Goes Twice As Far

GREEN COLONIAL OWNERS RECOMMEND

COLONIAL

CLEAN HEATING COMFORT FOR LESS FUEL COST

COLONIAL ALL-PURPOSE FURNACE

"The trouble free performance of our Green COLONIAL furnace has been greatly appreciated by the Board, and has been a source of continuous comfort in the school room. The furnace has operated entirely to our satisfaction."

School District No. 131, LaClede, Illinois.

See your Local Colonial Dealer or Write Green COLONIAL Furnace Co., 303 S. W. Third, Des Moines, Iowa.

Write For information on Colonial coal, oil, gas furnaces, stokers, blowers, oil burners.

FIRST CHOICE OF FARM FAMILIES

"FARM ACCIDENTS HAPPEN 3 TIMES OFTENER"

PROTECT YOUR LIABILITY TO HIRED MEN, TO VISITORS, TO THE PUBLIC with FARM LIABILITY INSURANCE. SEE YOUR ALLIED MUTUAL AGENT.

ALLIED MUTUAL CASUALTY COMPANY

Hubbell Bldg. Des Moines, Iowa

Buy Your

Agricultural Chemicals

—From—

Your Own Local Dealer

County Health Projects

DON'T be discouraged if you are having a hard time getting a county health unit functioning in your county. There are still things that can be accomplished even if you can't get a public health nurse for your county or if local doctors are too busy to cooperate.

Mrs. Fred Brown, chairman of the county health committee for Palo Alto county, Iowa, has experienced all of the frustrations and drawbacks that go with this job.

Of course, Mrs. Brown and her committee subscribed to the tuberculosis and the cancer drives, and the county responded valiantly. But there is always more to be done and right at home.

The county-seat of Palo Alto is Emmetsburg, and, like many other county-seat towns, there was no rest room where farm women could freshen up when they came to town to shop or to attend meetings. The committee felt this need and decided to do something about the matter.

It took a lot of talking and planning to get the project under way, but finally, thru the cooperation of the local businessmen, the Chamber of Commerce and the county supervisors, a very adequate rest room is under construction.

It will be ready for use this season. Certainly, this is a project that will be useful for many years.

There are many women over the state who, like Mrs. Brown, are doing a fine job of homemaking, and still have time to work for the good of the community. Mrs. Brown lives with her husband and 14-year-old boy on a 240-acre farm.

One of the chief reasons for Mrs. Brown's contribution of time and energy to farm organizations is due to the fact that when she first came back to the farm after her marriage, she was lonely. When she heard that a study club was being organized in her neighborhood, she said to her husband: "I don't care if they study Sanskrit—I'm going!"

And, thru her interest and efforts, other organizations have profited.

How To Cook Potatoes

POTATOES cooked with the jackets on are much higher in food value than when you peel them first.

Then why will housewives persist in peeling and cutting them up first, and throwing the minerals away with the water?

Potatoes peeled before cooking suffer a big vitamin loss—20 to 30 per cent of their Vitamin C, also some thiamin—so says the Bureau of Home Economics.

Cooked potatoes stored in the refrigerator continue to lose Vitamin C, but the loss is slower if the jackets are left on. Vitamin C is an elusive thing. It's easily lost by exposure to air, heat or water. You prize it highly in oranges. Why, then, not hold on to what you can in potatoes, too?

"—NO MORE UPSET STOMACH"

Do you suffer heartburn after meals?...feel logy? ...uncomfortable? Then read this heartening letter from a woman who found her way to *better digestion* and *better health:*

"Before switching to POSTUM, I suffered both indigestion and nervousness... But now my nerves are quieted and my digestion much improved. No more upset stomach after drinking POSTUM!"

SCIENTIFIC FACTS: Both coffee and tea contain caffein, and caffein is a drug which in many persons tends to produce *harmful stomach acidity*, as well as *nervousness* and *sleepless nights*. So while many people can drink coffee or tea without ill-effect, others *can't*—and this may mean YOU!

MAKE THIS TEST: Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Remember: POSTUM contains no caffein or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

PROTECT GROWING CHICKS

WITH DR. MAYFIELD 5-DAY Poultry SULFA TREATMENT For CONTROL OF TYPHOID

Speed Saves Chicks and Poults! The earlier you gain control of disease the more chicks and poults you'll raise. For quick action against Typhoid, Cholera, Pullorum or Coryza, use the new, successful Dr. Mayfield 5-Day Sulfa Treatment. It's safe, acts quickly and thoroughly.

USE DR. MAYFIELD MODERN POULTRY DISEASE CONTROL PRODUCTS FOR TREATMENT OF:

Pullorum Typhoid Cholera Coryza	Dr. Mayfield Poultry Sulfa and follow with Dr. Mayfield Poultry Tonic
Coccidiosis Blackhead	Dr. Mayfield Poultry Tablets and follow with Dr. Mayfield Poultry Tonic
Mycosis	Dr. Mayfield Poultry Tonic
Round Worms Cecal Worms	Dr. Mayfield Poultry Powder or Dr. Mayfield Poultry Caps
Lice	Dr. Mayfield Roost Spread
	Dr. Mayfield Disinfectant and Insecticide

DR. MAYFIELD LABORATORIES, Inc.
CHARLES CITY IOWA

MODERN POULTRY DISEASE CONTROLS

Should RAW MILK be labeled...

No . . . but it can be just as deadly. It may cause such milk-borne diseases as Undulant Fever (Brucellosis) resulting from Bang's disease, Typhoid Fever, Scarlet Fever, etc. No matter how carefully your herd is tested; how clean your barn and equipment, raw milk is always open to suspicion. The only certain way to make it safe is to pasteurize it.

NOW, PASTEURIZE AT HOME

This entirely automatic home unit assures positive pasteurization. Handy one-gallon size. Operates on 110 AC current. Satisfaction guaranteed or money refunded. Ask your dealer or write for free folder.

$29.95

WATERS CONLEY HOME PASTEURIZER

WATERS CONLEY COMPANY
Dept. L-8 Rochester, Minn.

Mrs. John Gersema, of Floyd county, Iowa, settles down for an hour of painting, with Johnny in his high chair and Mary Ann beside her.

Painting Textiles As A Hobby

Farm Woman Gets Much Pleasure From Painting Textiles For Family And Friends

MRS. John Gersema, of Floyd county, Iowa, wasn't exactly looking for a hobby when she saw an advertisement for textile paints about three years ago. But she was interested, it was winter, and there was spare time in the evenings. So she ordered one of the sets.

That was the beginning of a hobby that not only is pleasant but one that offers an outlet for an artistic ability she didn't know she possessed.

Mrs. Gersema's first efforts with the new paints were on a lunch-cloth. She had bleached a large feed sack until it was snowy-white and then stenciled in a design. It all came out nicely — the colors and the stencil—but the design was on crooked.

Textile paints have fast colors, and once a design is in, it's there to stay. So the lunch-cloth became a dish-towel—and a very pretty one, too. It is still doing duty. While the design may be crooked, the colors are bright. And it's been washed literally hundreds of times.

By the way, Mrs. Gersema says that feed sacks are fine to work on. They are firm and absorbent.

Mrs. Gersema's house and children show the results of her hobby. The walls of her attractive kitchen are covered with a paper that has an ivy design. She copied this design as a border for her curtains, and repeated it again in a lunch-cloth. The effect of the graceful ivy design in green decoration in a white kitchen is both pleasing and artistic.

Five-year-old Mary Ann has some dainty figures painted on her dresses and aprons. Even two-year-old Johnny has nursery figures on his play-clothes.

The whole family is interested when their mother clears off the dining room table and gets out her box of paints. Johnny is generally tucked carefully out of reach in his high-chair. Here, he can watch and feel that he belongs to the party, but is away from the danger of upsetting paint on his mother's materials.

But Mary Ann is generally given a brush and a piece of material to work out her own designs. And a very good job she does. This makes a family project, for Mr. Gersema is interested in and approves of his wife's hobby.

When she first started to work with textile paints, Mrs. Gersema stayed pretty close to formal designs. It's a little easier to follow straight lines than to work with a free brush.

As she gained confidence in mixing her paints and in handling her brushes, she began to work with a free brush. Tiny designs for handkerchiefs, larger ones for pillow-cases and pillow-tops.

"It's surprising," says Mrs. Gersema, "where you can find designs." Some of them she gets from greeting cards and tally cards, and a friend of hers copied a very attractive one from an old china teapot.

Sometimes a design can be traced from the original onto paper. At other times, it has to be drawn free-hand—as in the case of the design from the teapot.

A good many women over the state are interested in textile painting. Mrs. Gersema belongs to a "round robin" which is circulated among a number of women who are doing this work.

When the "robin" arrives, each woman in the group copies the enclosed patterns. Then she adds a design of her own, with directions, and sends it on. This keeps the women supplied with new patterns and designs.

"A $4 set of textile paints lasts a long time," says Mrs. Gersema. That's what she started out with. But she heartily recommends a brush for each color. This means quite a supply of brushes, but the expenditure is not large, and it does insure clear colors for the finished work.

Range shown above is Philgas Tappan B-2048

PHILGAS — FOR FARM AND SUBURBAN HOMES

Thousands of farm wives are now enjoying the convenience of dependable PHILGAS for cooking, water heating and refrigeration. PHILGAS is bottled gas, the modern fuel which makes it possible for farm and suburban homes to be equipped with time-saving, labor-saving household appliances just as in the city. You use PHILGAS just like city gas, and since the PHILGAS equipment is located right on your premises, your fuel supply is not affected by sleet, snow, or wind storms.

Here's a suggestion — ask a friend or neighbor what she thinks of PHILGAS . . . she'll probably say she would never think of ever going back to any other type of fuel — then see your PHILGAS dealer, he'll be glad to handle all details of your PHILGAS installation.

Your sparkling white PHILGAS range is automatic too! Just imagine, you simply switch the oven heat control to the exact temperature you desire. Set it, forget it . . . the automatic timer tells you when your baking, roasting or broiling is done to a "just right" deliciousness.

Visit your reliable PHILGAS dealer today. He is qualified and specially trained to provide dependable PHILGAS service for you. He'll take care of all those important little "extras" that add up to many years of satisfaction. Get full details on efficient, economical PHILGAS and PHILGAS appliances for farm homes.

PHILGAS — "THE FLAME THAT IS MORE THAN MAGIC"

For full information about Philgas and Philgas appliances, write Phillips Petroleum Company, Philgas Division, Hubbell Building, Des Moines 8, Iowa.

PHILLIPS PETROLEUM COMPANY

PHILGAS DIVISION

FOR WOMEN (WHO BAKE AT HOME) ONLY

GOOD NEWS GETS AROUND

LOOK! buy 3 packages at a time—keeps on the pantry shelf. No refrigeration needed!

3 times as many women prefer FLEISCHMANN'S YEAST

Ask Mother, She Knows . . . Clabber Girl is the baking powder with the ***balanced*** double action . . . Right, in the mixing bowl; Light from the oven.

Guaranteed by Good Housekeeping

CLABBER GIRL
Baking Powder

Here's one of the greatest iron tonics you can buy to

BUILD UP RED BLOOD to GET MORE STRENGTH

if you have SIMPLE ANEMIA

You girls and women who suffer so from simple anemia that you're pale, weak, "dragged out"—this may be due to lack of blood-iron. So *do* try Lydia E. Pinkham's TABLETS.

Pinkham's Tablets are one of the easiest and best home ways to help build up red blood to get more strength and energy — in such cases. They are a pleasant stomachic tonic, too!

Pinkham's Tablets also relieve painful distress, nervous, weak, irritable feelings of "certain days" of the month—when due to female functional periodic disturbances. Just see if you, too, don't remarkably benefit!

Lydia E. Pinkham's TABLETS

Farm Family Enjoy New Home

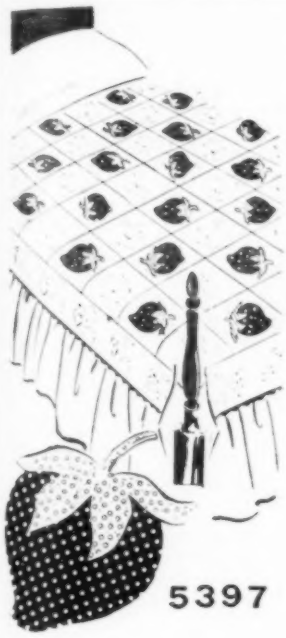
Palo Alto County, Iowa, Couple Are Proud Of Their New Brick Two-Story Farm Home

Mr. and Mrs. Henry W. Henderson didn't want to wait until their four children were grown before they built a new home. They wanted the children to enjoy their home as they grew. Here, Mrs. Henderson serves the children their lunch in the attractive breakfast nook off the kitchen. This breakfast nook is separated from the work area of the kitchen by a snack bar.

There are five bedrooms in the Henderson house—three upstairs and two downstairs. Here, Darlene, the oldest daughter, shows the storage space that is built in under the dormer windows. Each of the upstairs bedrooms has the same built-in space. This allows for ample closet room.

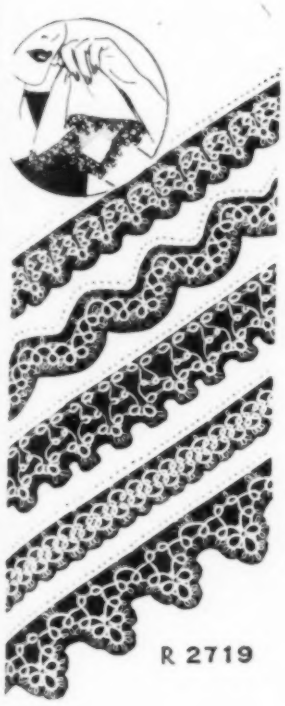
All the members of the family enjoy the recreation room in the basement. This room is warm, as the house is heated with a gas furnace and forced air. It also has good light and ventilation. This is a room where the children can play and entertain their friends without disturbing the rest of the family.

For Busy Hands



No. 5397—Strawberries are cut from red-and-white dotted cotton and appliqued to a white block. Quilt alternate blocks in white strawberry blossoms for enchanting effect.

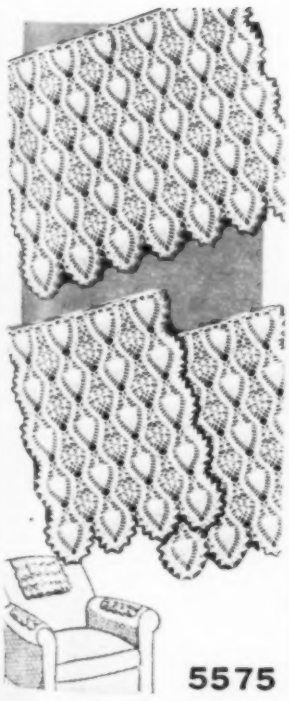
No. 5950—Embroider "ladies of long ago" designs on guest towels, scarfs and small bed pillows. Dainty colors and simple stitchery make figures fairly come alive.

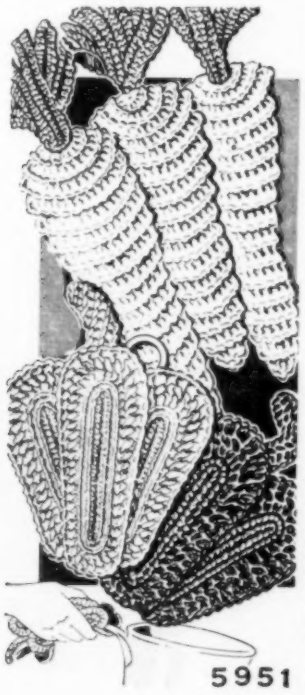


No. R-2719—Handkerchiefs, towels, linens and lingerie have that precious handmade look by utilizing spare moments. Easy to make—only one stitch to learn in tatting.

No. 5575—Dress up an old chair in the grand manner by adding this pineapple set. Delicate little pineapples separated by cobwebby motifs make fast work.

No. 5951—Show off your "green thumb" by crocheting these colorful potholders. Red and green peppers and yellow carrots are big enough to keep fingers free of burns.





Designs are 20c each, in coin or stamps—coin preferred. The Big, New Spring and Summer FASHION Book is 25c. It is full of valuable information and contains a free pattern. You will enjoy it. Send all orders to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION: Be sure to include your name and address always.

This is a LADY IN LOVE

...with that Famous FOLGER FLAVOR

Of course, nobody could be "in love" with a coffee flavor—even Folger's! But, when it comes to people, there's a vast difference between loving and liking, isn't there? And when it comes to coffee preference, there's that same kind of difference between the way you feel about Folger's—and the way you feel about other coffees. You have a *special* feeling for Folger's . . . A feeling that there *is* no other coffee flavor—only Folger's—for you!

Folger's is more than just a cup of coffee, it's a very special coffee flavor . . . rich and vigorous beyond compare, with a keen, winey tang to set it off perfectly.

Won't you try Folger's soon and see how wonderful it is to "fall in love"—for keeps—with a coffee flavor?

TRY USING 1/4 LESS

The Folger Flavor is so extra rich, you are urged to try using one fourth less than with lesser flavored brands.

COPYRIGHT J. A. FOLGER & CO., 1949

THERE'S A MOUNTAIN OF FLAVOR IN EVERY SPOONFUL

"Call the Parson, Ma! He just promised her a Skelgas Range!"

Skelgas

Skelgas is America's first choice for modern living convenience! Skelgas cooking is clean and fast. Skelgas automatic hot water service is dependable and efficient. Skelgas refrigeration is safe and sure. Ask your Skelgas dealer about this modern home fuel today.

TUNE IN Alex Dreier, Lloyd Burlingham, NBC—7 AM Daily

DIVISION OF SKELLY OIL COMPANY, BOX 436, KANSAS CITY, MISSOURI

Visit Fields of Fun... when Work is Done

Plan Your Trip NOW— for profit and pleasure!

Successful farmers plan for the future, and now is the time to be thinking about that trip you'll be taking when farm work permits. You'll discover a Greyhound trip is both profitable and pleasurable.

You see agricultural improvements in other states which may be put into practice on your own farm. The whole family returns home refreshed, happier . . . and the cost is surprisingly *low!*

When you do go — go Greyhound . . . still the biggest bargain in transportation!

ENJOY AN AMAZING AMERICA TOUR

For truly carefree travel, let us plan your trip—arranging for hotels, transportation, sightseeing. No extra charge! Mail the coupon today.

THERE ARE NO LOWER FARES

FREE FOLDER! ....

For colorful folder describing Amazing America Tours, mail this coupon to:
GREYHOUND TRAVEL BUREAU.
505 Grand Avenue
Des Moines 9, Iowa

Name _____

Address _____

City and State _____

(WF)

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

COUNTRY AIR

By **ELIZABETH C. WHERRY**

THE day I sent my money out for crippled children's seals, I saw Charles Laughton in "The Hunchback of Notre Dame." As far as Laughton is concerned, he does a good job, altho he's not as spine-chilling as Lon Chaney was back in the old silent days.

* * *

Or am I just harder to impress?

* * *

I watched the pitiless flogging proceed for fifty strokes. I saw Laughton stagger away from the mob that had been so viciously entertained by his suffering, and I said to my companion: "We have progressed."

* * *

Cruel tales from the Bible, profane history and novels of ancient days (and some not so ancient) about cripples, blind, deformed and sick, come to mind. Pity was an individual matter. Compassion was rare.

* * *

A deformed person was considered to be in league with the Evil One. The mentally warped was a witch.

* * *

Now we have almost weekly drives for betterment. We organize nationally for crippled children. We endow vast sums to help the handicapped.

* * *

Big hospital systems and public health care are a far cry from flogging and the pillory. The printed word tells us about those who need help, radio spots remind us to be compassionate, movies dramatize pitiful stories and joyous recoveries.

* * *

Surely that's a step ahead. Some give science the credit. Others are sure it's the growth of Christendom. Some declare it's all a natural process in evolution of the soul.

* * *

Why must we label it? Just so it works!

* * *

To the horrors of the past, Nazism added the refinements of science. If Russia and the United States don't stop saying "Boo!" to each other, and if we don't learn that atomic energy can blow the whole bloomin' scheme of things to bits, we can very easily slip back that step ahead.

* * *

Oh, well, each generation to its own troubles. Our grandparents had Indians to pop 'em off. We have automobiles. They had ague, but they didn't have high blood pressure. They got a barrel of flour every six months. We get mad if a loaf of bread is delivered unsliced.

* * *

A man from St. Louis drove into Iowa with his seven-year-old son. As they crossed the Iowa line, there was a sign that read "Welcome to Iowa." "How did they know we were coming?" asked the small boy.

* * *

Wouldn't it be wonderful to believe in signs like that? When somebody says: "How are you?" wouldn't you really like to tell them. Instead, we warble cheerily: "Fine. And you?" Hoping to Pete they know the rules of the game and will lie, too.

* * *

Sometimes I wish I could go back to my early impressions of advertising. Just after I learned to read, and every printed word lured my eye, we were riding to town in the bobsled. On the fence was nailed a sign, "W. R. Fields For Fine Groceries."

* * *

"I'd think Mr. Fields would be pleased if he knew somebody had put up such a nice piece about him," I said to my mother.

* * *

"Oh," she said, "he put up the sign himself." That was food for thought for a long time. I looked upon Mr. Fields in the grocery store that day with a wary eye.

"Girls shouldn't have mumps," says Wilma. "They feel mean, look funny." Wilma is the daughter of Mr. and Mrs. William Ficken, of Boone county, Iowa.

There's some weighty reason why Easter falls in March some years. (Connected with the moon and tides, I guess.) No doubt, it's a good thing. We so desperately need a reawakening of faith in March. But I like Easter to come in April.

* * *

It's appropriate for our spiritual Easter to be accompanied by an awakening of nature. We like demonstrations of faith. We can't help it if our hearts skip a beat when the tree in the back yard leafs out in an overnight shower.

* * *

As March merges into April, the fields wear an expectant look. Brown hillsides look refreshed after the long winter's rest. Trees wave restless branches to catch any mild breeze. The willows show a faint green in their stems. Roadside brambles flush a little with returning sap.

* * *

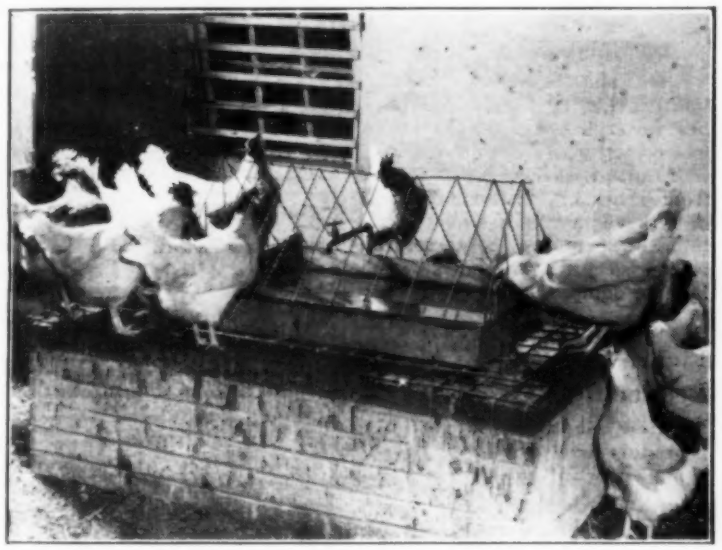
And as April weeps her way into spring, the hills seem almost to breathe. Green creeps along with every breath. The change is wonderful and sure. We soon forget the brown.

* * *

We're at peace with the world. Our faces relax from their winter frowns. Our eyes soften. That's little pigs on them thar hills!

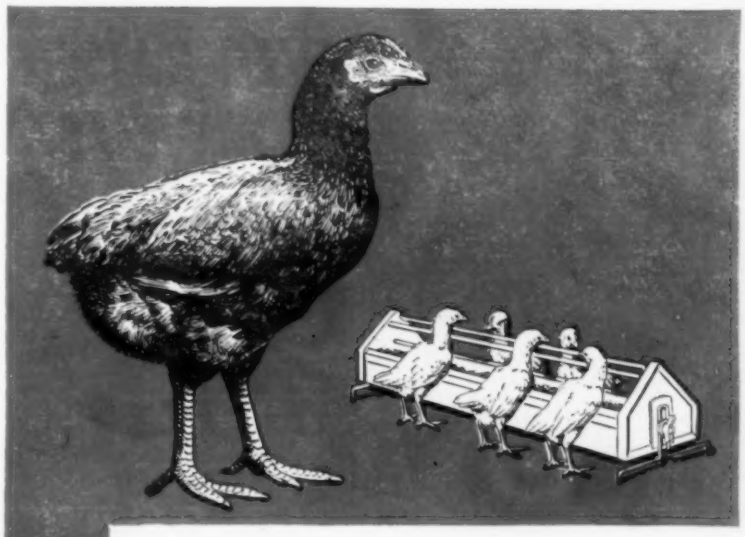
THE FARM FLOCK

Production of 165 pullets on Floyd Chase farm, in Warren county, Iowa, has been 70 to 80 per cent, got up to 85 per cent in mid-winter. His hybrids are cafeteria-fed on mash, whole corn and oats. Automatic lights have been giving them a 14½-hour day.



Brick Fountain keeps Chase's hen house dry. Pullets get all the fresh water they need for high production, have plenty of room to drink it. Spillage escapes thru a drain in the floor. Good ventilation also helps hold down the moisture. Floyd's system includes slot ventilators, inward-slanting windows, insulated walls.

Double-Tiered nests open inward so hens can lay in dark. Boards at front are dropped for easy egg-gathering. Chase uses pieces of mesh in nests to catch the toes, stop litter-scratching. Light you see inside the nests in this photo was for picture-taking purposes only—Floyd says hens seem to lay best in darkened privacy.



For Coccidiosis, Use
SULFA-GUAN-I-DINE
The Safest Sulfa
Economical, Time-Tested

Don't waste time when cecal coccidiosis strikes! Feed SULFA-GUAN-I-DINE promptly in the mash. Death losses are quickly cut to a minimum and stunting avoided when this reliable drug is used.

- Easily mixed in the mash
- Immunity against coccidiosis is established
- Time and labor are saved

This old reliable drug, praised by poultrymen everywhere, is the ideal treatment for farm flocks because of its proved safety, reliability and economy.

Free folder, "How to use SULFA-GUAN-I-DINE in fighting Coccidiosis," sent upon request. If your dealer cannot supply you with SULFA-GUAN-I-DINE, kindly send us his name.

Poultry Department
LEDERLE LABORATORIES DIVISION
AMERICAN Cyanamid COMPANY
30 Rockefeller Plaza New York 20, N. Y.

Lederle
ANIMAL INDUSTRY SECTION

"Best Chicks I EVER RAISED IN MY LIFE ... thanks to FUNJOL"

"Who would imagine it could make such a difference! Gone are the scum and the slime in the fountains! Chicks eat better, drink better, gain better, too. Less bowel trouble, less sickness . . . and smallest loss ever . . ." That's what folks say, when they have used FUNJOL for starting their chicks.

IT'S BECAUSE FUNJOL SANITIZES THE WATER!

Yes, FUNJOL makes the water SANITARY . . . makes it SAFE for your baby chicks by reducing bacterial counts to SAFE levels. FUNJOL checks growth of bacteria that cause souring, and keeps down the scum and the slime. Takes drudgery out of keeping fountains clean. FUNJOL acts *continually*, against germs of fowl cholera, pullorum and some strains of fowl typhoid, in the drinking water. FUNJOL inhibits growth of the fungus *Monilia Albicans*, a common cause of mycosis. FUNJOL is a convenient liquid, palatable and easy to use. Just takes a teaspoonful to a quart of water, in any kind of fountain.

Your chicks will do better . . . this year, and every year, when you start them on FUNJOL. Use it the first few weeks at least, for that's the most critical time. Get FUNJOL today at your hatchery, drug store, feed or supply dealer. 8-ounce, 75c; Pint, $1.25; Quart, $2.

FUNJOL

A Field-Proven, Laboratory-Controlled Product of THE GLAND-O-LAC COMPANY, Makers of Quality Poultry Medicines for More Than a Quarter of a Century . . . at Omaha, Nebraska.

GIVE YOUR CHICKS A *Running Start!*

VICTOR CHICK STARTERS (GRANULES OR MASH)

Keep your chicks healthy. Speed up their growth and development so they'll get into production early. That means a "running start" for best egg and poultry profits. Feed VICTOR CHICK STARTERS . . . high in protein and energy — with balanced amounts of Vitamins A B D E and G, carbohydrates, fats and minerals. VICTOR CHICK STARTERS are so palatable your chicks will eat more of them! See the results for yourself. You have your choice — VICTOR CHICK GRANULES or VICTOR CHICK MASH.

See your VICTOR DEALER today
CRETE MILLS • CRETE, NEBRASKA

SAVE! ORDER *Boote's* CHICKS NOW!

Boote's chicks are famous for fast growth, rapid feathering —and big egg profits. Popular breeds. U. S. Approved and Pullorum controlled. Hatched in modern, sterilamp-protected hatchery to give you strong, husky, healthy chicks. $4.00 per 100 and up — guaranteed to live 3 weeks. No strings to this. Boote's 22 years' experience assures you satisfaction. Save money. Order now. Free catalog.

BOOTE'S HATCHERIES, INC., Worthington, Minnesota

Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

Dose of medicine goes into one of Mrs. Elbert Gray's 200 chicks in Madison county, Iowa.

Keep Spring Mud Off Eggs

Spring mud makes it harder than ever to keep eggs clean. But you can keep dirties to a minimum, say egg marketing specialists at the University of Nebraska if you:

1. Keep hens shut up at least until 2 p. m.—but preferably all the time.
2. Keep litter dry. Ventilate the house, add litter when necessary.
3. Give the layers enough floor space—three square feet for light breeds, four for heavies.
4. Use ample nesting material.
5. Provide at least one single nest for each five hens, or one 2x4-foot colony nest for each 35 hens.
6. Build a slotted perch on the front of nests. Then some dirt will be removed as the hens enter.
7. Put drinking container on screen so litter around it won't become damp.

Figure Cost Of Broilers

How much does it cost to produce broilers? Here's a formula worked out by the Virginia experiment station:

Multiply the cost of feed per pound by 4.4.

Multiply the cost of a baby chick by 0.35

Multiply the cost of labor per hour by 0.06.

Now add these up, then add another 8 per cent to cover other costs, such as buildings and equipment. The total is the production cost per pound of broiler.

If feed costs a nickel per pound, chicks 17 cents apiece, and labor 70 cents an hour, broiler costs per pound would be 34.8 cents under this formula. That's what you'd have to get to break even.

Goose, Chicken Eggs Shouldn't Mix

To the Editor: Can I hatch a few goose eggs along with the hen eggs in my incubator?—Mrs. F. K., Bon Homme County, South Dakota.

Goose eggs shouldn't be hatched with chicken eggs in an artificial incubator, say poultry experts. The temperature for goose eggs should be two degrees lower and humidity should be higher.

Best way for the average person with a small flock to hatch out goose eggs is under a hen or the mother goose. Or, if you want just a few, order from a hatchery.

GREATER PROFITS WITH
Ames In-Cross 301 Chicks

Bred on the same principles used in producing HYBRID CORN. Poultry raisers say: "We have never had chicks as good as these." "We get more eggs than we ever did before." "Ames In-Cross 301 Chicks live better." Here's why: Ames In-Cross 301 Chicks produce more eggs—have a longer laying period—egg quality is higher because of uniformly large size, smooth shell texture and fewer blood spots — fewer culls and less death losses—the cost for feed per dozen eggs is lower.

See your authorized Ames In-Cross Hatcheryman or write Dept. WF

Ames In-Cross, Inc.
AMES, IOWA

MILLIONS OF USERS MUST BE RIGHT!

"Black Leaf 40"

- Kills by contact and by fumes
- Can be used with other standard sprays
- Spares beneficial insects

BLACK LEAF 40
Kills aphids and similar sucking insects. Permits full development of healthy foliage and top-quality fruit. Leaves no harmful residue.

TOBACCO BY-PRODUCTS & CHEMICAL CORP. Richmond, Va.

LOOK FOR THE "Black Leaf" ON THE PACKAGE

PULLETS—COCKERELS

As Low As $12.90 Per 100 — U. S. APPROVED
As Low As $3.00 Per 100 — PULLORUM CONTROLLED

White Leghorns, Brown Leghorns, White Rocks, New Hampshires, Black Giants, Hamburgs. Also 4 Week old White Leghorn Pullets. Send for FREE Catalog. Low Prices, 48 hour shipping service. Orders filled promptly.

Windsor Hatchery Windsor, Mo.

6 WEEKS OLD
Large White Leghorns

Healthy, vigorous chicks that have proven their ability to live. We will tell you just what they will cost delivered to you. Get this information today.
ECONOMY HATCHERY, WARRENSBURG, MO.

ZEELAND Hatchery POULTS

Amazing profits with Hamilton Strain super-Broad Breasts. Growers report 18 pound hens, 28 pound toms at 5½ months. Make 1949 your banner year —raise these super broad breasts for extra profits. Also Wagon Wheel strain broad breasts, White Hollands and all other breeds. Poults available for immediate and future delivery. Write
ZEELAND HATCHERY ZEELAND, MICH.

PROFESSIONAL 7" x 5" ENLARGEMENT 10c

Sensational introductory offer! Send snapshot or negative, this ad, and 10c. We'll send you a beautiful 7x5" enlargement! Or, Kodak roll developed and printed (with free coupon) only 25c; or 8 giant prints from roll, 30c. Reprints from negatives—any quantity—regular size, 3c; Giant size, 4c. Satisfaction guaranteed. Immediate delivery. No delay. Write for Free Mailers. Free Premium offers.
AMERICAN STUDIOS, Dept. 342, LaCrosse, Wis.

IRIS— World's Largest Listing FREE

Over 2200 hardy tested acclimated varieties now growing. Also choice Peonies & Perennials. Free catalog. Spring & Fall shipment.
FAIR CHANCE FARM
BOX 18 BELOIT, KANSAS

CAPONS We are now booking orders for late May and thereafter shipment of 10 week-old size of our famous Capons de Faraway. 90 years of constructive breeding for size and flavor has brought international recognition by the world's leading chefs and food critics. Range grown and pest all dangers. Write today to avoid disappointment as supply never equals the demand.
FARAWAY FARMS SILVER LAKE, IND.

LARGE TYPE WHITE PEKIN DUCKLINGS

25, $8.75; 50, $16.50; 100, $32.00. Postpaid. 100% Live Delivery Guaranteed.
SCHECKEL'S HATCHERY Springbrook, Iowa

Rainbow Mix Glads, large flowering varieties. 100 bulbs over 1¼" in diameter for $5; 100 medium bulbs for $1; 200 small, over ½" in diameter for $1. Prepaid.
Pathfinder Glad Gardens, Fremont, Neb.

16 ENLARGED, JUMBO, OVERSIZE DECKLED PRINTS

from any 6-8-12-16-20 or 36 exposure roll developed only 35c and this ad. Electronically exposed. Enlargement coupon free.
SKRUDLAND 6444-F Diversey, Chicago

TWO BEAUTIFUL PRINTS

From each picture on roll, 30c. Twenty-eight years of satisfied customers. Quick service.
LENS PHOTOS, Dept. C1, JANESVILLE, WIS.

Three Prints Each 8-Exposure Roll, 40c

Two Each 35c. One each 25c. Reprints 3c.
L. I. EASTMAN - - - - BODE, IOWA

Danger of Disease Among Baby Chicks

Success in raising Baby Chicks depends largely upon proper care and management. Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby Chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your flock before you are aware. Use preventive methods—use Walko Tablets. For over forty years thousands of poultry raisers have depended upon them. You, too, can rely on Walko Tablets as a valuable antiseptic to aid in preventing the spread of disease through contaminated drinking water.

Remarkable Results Raising Baby Chicks

"Gentlemen: I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them I also use them for my grown birds with the same satisfaction." Mrs. C M. Bradshaw, Diagonal, Iowa.

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 50c, $1.00, $2.50 and $4.00.

WALKER REMEDY COMPANY
Dept. 44, Waterloo, Iowa

MODEL CHICKS

Started WH. LEGHORN AUSTRA WH. **Pullets**
4 Wk. $32.90 Per 100 F. O. B. | **6 Wk. $47.90** Per 100 F. O. B.

GRADE AAA **Baby Chicks** POST PAID

	St. Run	Pullets	Cox
White Legs. Austra W.	$12.90	$20.90	$4.90
White Rocks Buff Orp.	$12.90	$14.90	$12.90

U. S. Approved—Pullorum Controlled
100% Live Arrival—Surplus Cockerels $3.90

Alexander's Model Hatchery Box 114 Creighton, Mo.

ZEELAND Mammoth White PEKIN DUCKLINGS

GROW FAST on LOW PRICED FEED
Order Now at These Low Prices

SPECIAL "AAAA" MATING
from 2 and 3 year old Breeders
12 ducklings, $4.95 — 25, $9.95 — 50, $15.95 — 100, $29.95 — 200, $57.95.
SUPREME "AAA" MATING
From Yearling Breeders
12 ducklings, $4.45 — 25, $8.95 — 50, $14.95 — 100, $27.95 — 200, $51.95.

We pay postage. Send money with order or we'll ship C.O.D. Be sure to specify quantity, grade, and delivery date wanted. Available now and every week of the year.

FREE "DUCK RAISERS'" GUIDE!
Zeeland Hatchery, Inc., Bx. D-7, Zeeland, Mich.

WHITE LEGHORNS

Rocks, Reds, Orpingtons, Wyandottes, Minorcas, Austra-Whites. Assorted, Low as $4.95 per 100. **$12.90** Per 100 Prepaid

Also Sexed and Started Chicks
FREE CATALOG explains two-week replacement guarantee. U. S. Approved. U. S. Pullorum Controlled. R.O.P. Foundation Breeding.
SCHLICHTMAN HATCHERY Appleton City, Mo.

LUX R. O. P. Leghorns

Iowa U.S. Certified Chix and Eggs. 20,000 daughters and granddaughters of our ROP hens with records of 200 to 332 mated to ROP males from hens with records of 300 to 354 eggs. 25 years breeding experience. Iowa's largest ROP Leghorn Breeding Farm. Catalog.
Lux Leghorn Land Farms Hopkinton, Iowa

U. S. Approved Pullorum Passed Chicks. Rocks, Wyandottes, Hampshire-Reds, Rock-Hamps, White, Brown, Buff Leghorns, Anconas, Austra-Whites, Heavy Assorted $8.95. Lights $6.95. Leftovers $5.95. Leghorn Cockerels $3.95 Collect. Get our price before you buy. SADIE STOUFFER HATCHERY, Waddams Grove, Ill.

MAMMOTH WHITE PEKIN DUCKLINGS

Hatched from our own selected 2 yr-old breeders. $28.100; $15.50; $8.25 postpaid. Live delivery guaranteed. Free Folder.
DeVRIES POULTRY FARM, ZEELAND, MICH.

GEESE EGGS — Mammoth Toulouse, wonderful stock. Get order in early. Also White King Pigeons. GEBHARDT FARM, Muscatine, Iowa.

Lower Costs Mean Higher Profits

You Will Have To Watch Expenses To Stay Out Of The Red This Year

It isn't so easy to make money on chickens when prices are dropping. But it still can be done—if you watch your p's and q's. That's the gist of the following article by W. R. Whitfield, Iowa State College.

POULTRY and egg prices have been fairly good during the last few years. As a result, you haven't had to pay quite so much attention to expenses.

But this year may be different. If you don't keep an eye on costs, you might wind up in the red.

The most important things to watch are death losses, feed and labor costs, and the quality of your product.

Take mortality. Every dead chick hurts you two ways: It does not make any profit itself, and it uses up some of the profit made by the chicks that live.

Yet many flock owners suffer as high as 50 per cent mortality during the growing period.

To avoid that kind of loss, be sure your chicks are good. Buy chicks from pullorum-free stock. And don't take them home until you have checked them to be sure they're lively and aren't gasping for air—a sure sign of respiratory infection.

Changing temperatures kill lots of chicks. A good brooder stove and brooder house will keep temperatures within a 90 to 95-degree range both day and night when chicks are small. A poor brooder regulator and too many south windows mean non-uniform temperatures—and dead chicks.

Cover all but one window on the south side of your brooder house. And provide window openings on the east and west.

Don't buy too many chicks for the size of your house. Even with the best of chicks, overcrowding will raise feed costs by increasing the number of culls and dead chicks, and by cutting gains.

Losses from disease outbreaks will increase if you use unsanitary equipment or turn chicks out on old yards where germs have been spread by old birds. Your best bet is to confine chicks to the brooder house and sun porch until clean ground is available.

One of the surest ways to boost profits is by cutting feed costs. You can't do it by providing less feed. That only causes chicks to make slower gains in weight—and thus really wastes feed.

Overfilling of feeders, or using feeders that permit the chicks to scratch out feed, both cost you money. Never fill feeders more than half full for chicks over two days old. Use feeders that are ample in size and number.

You can also cut feed expense by selling meat birds on time instead of weeks later. Every extra week required to get fryers to market takes extra feed.

Another way to cut costs is by getting the same production with less work. Fast gains that give your cockerels a good finish at 12 weeks produce the most profit with the least labor.

Also, try to find ways to spend less time with the chicks each day without neglecting them. You can do this by using extra feeders and fountains, so once-a-day filling will keep the chicks supplied.

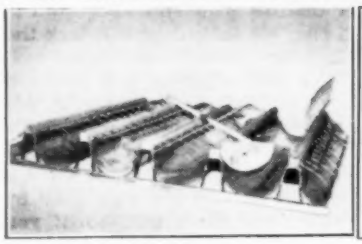
When young birds are on range, fountains and feeders big enough to hold a week's supply will save hours of time without a bit of danger to the flock.

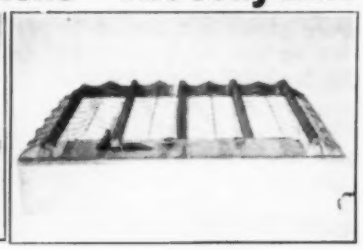
Dependable equipment — good brooder stoves, housing, feeders, fountains—not only protects your flock against accident, but makes one or two visits a day entirely safe and practical.

Quickest way of all to lose money on chicks is to sell low-grade meat birds. Poorly-fleshed birds and those with bare backs usually sell as number two poultry.

You have to sell birds at their quality peak to get the highest price. To do this, sell the heavier and better-fleshed birds first. Then—with more room in which to grow and more time in which to fleshen—many birds which would have graded number two can be raised to number one grade.

For Healthier Chickens—The Jolly Line





GALVANIZED DROPPING PANS
2x2 wood roost poles. No. 9 galvanized wire roost guards. 1x1x⅛ steel angle frame. Entirely ventilated and easily installed. Grooved poles for roost paints. Complete with hoe. Curved pans eliminates rusting in corners.

PIT-ROOST
No. 9 galvanized wire roost guards—2x2 roost poles—1x1x⅛ steel angle frame. Easily installed. Fits any house. Install on pulleys for easy cleaning. Advise inside measurements of house and number of birds housed.

Write today for Price and Pamphlet.

The C. C. JOLLY CO., Owatonna, Minn.
BOX 2 TELEPHONES: 2528—2244

Be sure OF YOUR CHICK FEED

VICTOR
CHICK STARTERS
(Granules or Mash)

KNOW your chicks are getting a high protein, high energy feed — containing balanced amounts of Vitamins A B D E and G, carbohydrates, fats and minerals essential for healthy, fast growth and early development into hens that are good layers. Because VICTOR CHICK STARTERS are so palatable, your chicks will eat more of them! Feed VICTOR CHICK STARTERS — either GRANULES or MASH.

See your VICTOR DEALER today
CRETE MILLS • CRETE, NEBR.

Hilltop's **K-M** IN ALL POULTRY DRINKING WATER

helps save *Chicks*

Kills germs of typhoid, paratyphoid, pullorum, and cholera in contaminated poultry drinking water . . .

as a constant protection against these deadly enemies in contaminated water. A daily dosage of K-M in chick's drinking water is an effective protection which destroys germs before they can harm your flock. Chicks need lots of water. K-M is easy to use and is so inexpensive, too.

BUY K-M AT YOUR LOCAL HILLTOP DEALER TODAY!

HILLTOP LABORATORIES — *Aids for Poultry* —
718 Washington Ave. N., Minneapolis 1, Minn.

Boote's
Chicks—Famous For Egg Production

Get Boote's Chicks—bred from high producing strains. Prices $4.00 per 100 and up—3 weeks guaranteed livability. Popular breeds. U. S. Approved and Pullorum Controlled. Eggs hatched in modern sterilamp-protected hatchery. Chicks carefully sorted and promptly shipped. 100% live delivery. Boote's 22 years of experience is your assurance of satisfaction. Order Now! Free catalog.

BOOTE'S HATCHERIES, Inc., Worthington, Minnesota

Choice **TURKEY POULTS**

Send for FREE CIRCULAR describing Mixa's Broad Breasted Bronze poults. Popular medium and heavy strains all scientifically hatched under "hospital clean" conditions. Hatching eggs shipped in from famous West Coast breeding farms are all pullorum clean. 100% live delivery. Order now for late May and June. REDWOOD FALLS, MINN.

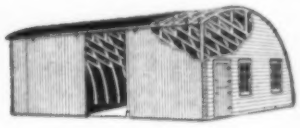
MIXA TURKEY HATCHERY Inc.

STOUFFER'S FAMOUS CHICKS, U. S. APPROVED
Immediate delivery. Barred, White Rocks, White Leghorns, Austra-Whites, Hamp-Whites $13.90, New Hampshires $14.90, Wyandottes, Reds $15.90, Giants $16.90. Heavy mixed $10.90. Lights $9.90. Seconds $6.95. Thousands of four-week-old Leghorn Pullets from high producing stock. Write for Circular and Prices.
STOUFFER'S HATCHERY LENA, ILLINOIS

—OUR ADS ARE NEWS—

RILCO

laminated rafters are expertly engineered and precision built of selected, perfectly seasoned woods. They're strong and wind-resistant.

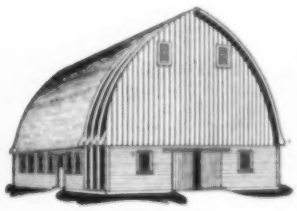


RAFTERS

trusses and arches are all pre-cut and accurately drilled, ready to put up when you get them. They cut down "on-the-job" fitting, save hours of time and plenty of labor cost.

BUILD 'EM

sturdier . . . build 'em to last . . : build 'em to work for you. Rilco barns, hog-houses, poultry and brooder houses, garages, machine sheds, utility buildings go up easier, stay up longer. They need no inside bracing, give you more useful space in every building.



FASTER

construction means lower building costs. That's why you get more building for your money when you use Rilco Rafters. Building is easier because Rilco Rafters are anchored by easy-to-use metal connectors which fit perfectly without forcing. In fact, many farmers build their own barns with little outside help.

BETTER

get in touch with your lumber dealer now. He can help you decide which types of Rilco buildings you need, or write for full details to:

RILCO

WORKS WONDERS WITH WOOD

Laminated PRODUCTS, INC.
2581 FIRST NATIONAL BANK BUILDING
SAINT PAUL 1, MINNESOTA

Feeders for chickens out on range will save work if they're large enough to hold several days' feed supply. Put a cover on 'em, too—to protect feed from rain and prevent wastage by wind.

It's Time To Plant Early Gardens

Some Stuff Should Wait For Warm Weather, But Don't Delay Peas, Lettuce, Root Crops

A recognized expert on farm gardens is Victor Felter, of Warren county, Iowa. Here are his suggestions about making your April plantings.

OUR first garden was planted March 29 this year. This isn't especially early for us. Our garden is always fall-plowed, and usually is ready to plant a week or ten days ahead of spring-plowed gardens.

There were several times this spring when one or two good drying days would have put the soil in condition to work earlier. But we finally got the planting done just ahead of another rainy spell.

In planting an early garden, you must remember that there are two quite distinct types of garden vegetables—early or cool-weather plants and those that love the hot weather and thrive best on it.

Peas, turnips, beets, carrots, lettuce, radishes and early potatoes are on the "must" list for early planting. While the ground is still quite cool, these seeds germinate and start a good root system. Then they're ready to be up and coming when a few warm days come along.

We have sometimes taken a chance on mid-April planting of sweet corn. It often works pretty well. But sometimes the young plants get nipped by frost or become pale-colored and stand still for some time.

Corn is one of the plants that like warm weather. Many a farmer will not plant this main field crop before the middle of May, even tho the weather may appear favorable. But you could take a chance on a few rows of sweet corn.

As a rule, plants of the warm-weather group should make steady and rapid growth and development right from the word "Go"—if they aren't planted too early. In this group are beans, tomatoes and practically all the vine crops.

When plants of this type do not make normal growth from the start, they are more subject to the attacks of plant lice and bugs that retard their development. For the main crops of these vegetables it will usually pay to wait for May weather before planting.

We feel like urging gardeners to try some of the newer offerings in vine crops, in addition to those which have proved satisfactory in your own gardens.

In cucumbers, the Cubit is an all-American winner, and is said to be good enough to eat as it comes from the vine. But our guess is that it would be more palatable if given the usual cucumber pre-table preparation.

The Butternut squash is a dandy, we say. It should not be confused with the Buttercup (another good one) on account of the similarity of names.

While plants of the cabbage family will withstand much cool weather, they are usually started in the cold-frame, hot-bed or greenhouse.

We get plants from the south, said to be frost-proof. But they are no more so than the ones produced here—if we take the same care to expose the local ones gradually to the process of "hardening off."

Care must be taken not to have plants so thick in the bed or row that they have no alternative other than to grow slim and upward. If they do that, they will lack the sturdiness they should have.

We like to have a new or novel vegetable or two each year. In this group we might list broccoli, cauliflower, kohlrabi and Chinese cabbage.

The first two are well liked by worms and plant lice. So, if you give these pests a chance at them, you probably will be disappointed.

The garden will always be more attractive to all who may visit it if it has some easily-grown flowers somewhere near the house.

Any amateur can grow zinnias, marigolds, gladiolas and sweet peas. These require little attention, and pleasant results will be the reward, even in garden soil that is just fair.

WILL YOUR CHICKS LOOK LIKE THIS..

OR THIS

Protect them from dangers lurking in contaminated drinking water

Dr. Jespersen's D.R.D.

Use Dr. Jespersen's D.R.D., the famous drinking water antiseptic for ten days in your chicks drinking water. Kill those dangerous organisms in the water before they kill your chicks and poultry. D.R.D. Prices—for 300 chicks, $1.50; 600 chicks, $2.75; 1200 chicks, $5.25; 2400 chicks, $9.75. Then give

Dr. Jespersen's FOWLTON

The Famous Drinking Water Supplement

Give Dr. Jespersen's FOWLTON daily after using D.R.D. for 10 days. Thousands of farmers give FOWLTON at the first sign of unthrifty birds. Prices—for 100 Hens, $2.75; 200 Hens, $5.25; 400 Hens, $9.75. Also for chicks of any age.

SEE YOUR JESPERSEN DEALER

If he is out, to save time we will ship at D.R.D. Prices or at Fowlton Prices direct to you prepaid if check or M.O. with order—or C.O.D. and you pay all delivery charges. Attractive proposition for established dealers.

Dr. Jespersen's LABORATORIES
Dept. W-42 SPENCER, IOWA

COMMON SENSE.. proved thousands upon thousands of times!

ALL-VEGETABLE LAXATIVE

NATURE'S REMEDY (NR) TABLETS—A purely vegetable laxative to relieve constipation without the usual griping, sickening, perturbing sensations, and does not cause a rash. Try NR—you will see the difference. Uncoated or candy coated—their action is dependable, thorough, yet gentle as millions of NR's have proved. Get a 25c box and use as directed.

Nature's Remedy NR TO-NIGHT TOMORROW ALRIGHT

FUSSY STOMACH? RELIEF FOR ACID INDIGESTION, GAS AND HEARTBURN

TUMS 10¢ FOR THE TUMMY!

HEAD NOISES?

USE THIS SIMPLE HOME TREATMENT

It has helped a great many people who have suffered from Head Noises and Hard of Hearing due to catarrh of the head. Think of this—many past 70 reported head noises gone and hearing good. NOTHING TO WEAR.

Send now for proof and 30 day trial offer.

THE ELMO CO.
DEPT. 302 DAVENPORT, IOWA

WHITE LEGHORNS BIG TYPE

Fine Egg Laying Strain. 100% Blood Tested. 100% Live Delivery. Heavy Production Mating.

Aus.-Whts., Buff Min. . . $12.90
New Hamps., Wht., Brd. Rocks 11.90
Brown Leghorns 13.90
Columbian Rocks 15.00
Leghorn Cockerels $2.95, Heavy Asst. $8.90. Broiler Asst. $6.90, Fryer Asst. $4.90.

$11.90 per 100
Baby Pullets $19.90
4-Wks. Old $35.90

Write for Catalog or Order from This Ad

Grain Belt Hatchery Box WF WINDSOR, MISSOURI

PROTECT BABY CHICKS

USE OLD RELIABLE El Vampiro FROM LICE AND MITES

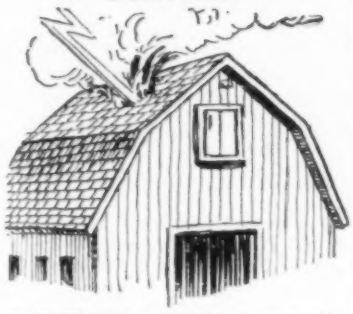
USE THE YELLOW BELLOWS BOX

NON POISONOUS

10¢ AT ALL DEALERS ALLAIRE WOODWARD & CO. PEORIA, ILLINOIS

WARNING!

LIGHTNING DANGER



ELECTRICAL STORM season is here. Protect your farm buildings, now—these six ways:

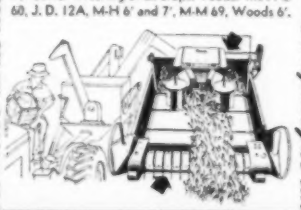
1. Install lightning rods, for positive low-cost safety.
2. Attach rods firmly to barn roof and gable.
3. Place grounds at diagonally opposite corners of building, 10 feet into the earth. Install wood posts to protect them from stock and machinery.
4. Ground metal roofs, hay tracks metal door tracks and other metal installations.
5. Be sure the rod points are not more than 25 feet apart.
6. Check old lightning rods for breaks in ground connections.

Your County Mutual will gladly give you more suggestions on protecting your property—by loss prevention and sound low-cost insurance. See them today

FARMERS MUTUAL REINSURANCE COMPANY
L. G. KEENEY, Secretary
GRINNELL, IOWA
Serving Farm Mutuals

SMOOTH TOUGHEST WINDROWS WITH THE Innes FEEDER

"Got over 50% more seed per acre after installing Innes feeder," says Fred Rathjen of Iowa. For better threshing of all crops. Feeder fits A-C 60, J. D. 12A, M-H 6' and 7', M-M 69, Woods 6'.



COMBINE WITH THE Innes WINDROW PICK-UP

Patented piston action picks entire windrow up clean. Wrapping, clogging, shelling, reduced to almost nothing. Light and easy to attach. Costs less. Models to fit any combine. For complete free information, see your dealer, or write INNES COMPANY, Bettendorf, Ia.

The Innes Company is an old established firm that stands behind its products and its dealers

RHEUMATISM 1909 RELIEVED 1949

40 years' experience in the treatment of arthritis, neuritis, sciatica, lumbago and gout, Hypertension (high blood pressure), Hypotension (low blood pressure), Dermatitis (Eczema and Psoriasis). Also Obesity. Separate Departments for men and women. Two Resident Physicians. On U. S. Highway 212. Tel. Shakopee 123.

Write for Booklet C.

MUDCURA SANITARIUM, Shakopee, Minn.

TIGER RUBBER Husking rolls

For most makes corn pickers
PICKS CORN CLEANER!
LASTS LONGER!
TOUGHER!
Also makers of COOK SHUCKER for model "P" Case and C. I. single row corn pickers. WRITE
COLUMBUS STEEL FAB. CO.
Dept. WF-9 Columbus, Nebraska

FOR SALE—LARGE STOCK OF 32-VOLT ELECTRIC APPLIANCES: fans, refrigerators, washing machines, home freezers, heavy duty bench grinders, electric motors, cream separators, milking machines, churns, electric drills, hair clippers, shavers, irons, toasters, heating pads, combination radio and phonographs, vacuum cleaners, Bowmer feed mixers. Write for literature and prices.

BRIDGEPORT EQUIPMENT CO., INC.
BRIDGEPORT, NEBRASKA

QUIPS AND QUOTES

THAT WHICH TASTES the best is forbidden by diet or common sense.—Estherville News.

SOME OF THE FARMERS and others who have completed their federal income tax returns report that 1948 was quite a successful year for them. They were able to lose enough money so that they will be able to have a little left after paying their tax.—Traer Star-Clipper.

MOST OF OUR TROUBLES can be traced to the sad truth that we haven't enough soft snaps to go around.—Lake Mills Graphic.

EVERYONE CAN GIVE pleasure to others. Some achieve this by entering a room and others by leaving it.—Clear Lake Reporter.

SOME FOLKS use carpet sweepers and vacuum cleaners to get the dirt. Others use telephones.—Gowrie News.

IN THE GOOD OLD DAYS, the man who saved money was a miser. Nowadays he's a wonder.—Harlan News-Advertiser.

LIFE HAS BEEN aptly described as a struggle to keep one's earning capacity up to one's yearning capacity.—Blakesburg Excelsior.

THE BLIND were given a special reduction on their income tax report. We suppose this covered some basketball and baseball officials.—Danbury Review.

MAYBE THE REASON that older people are quiet is because they have got a lot more to be quiet about.—Rolfe Arrow.

A LOT OF WOMEN who wear slacks must have come from good families. They obviously are well reared.—Schleswig Leader.

IT'S VERY EASY to notice somebody else's intolerance, but one usually can manage to explain satisfactorily his own biases.—Estherville News.

UNDOUBTEDLY, unemployment totals would be much larger if it weren't for the salesmen automobile dealers are hiring.—Webster City Freeman-Journal.

MRS. TRUMAN isn't the only housewife who wouldn't want a picture of her husband wearing a bathing suit publicly displayed in a newspaper.—Primghar Bell.

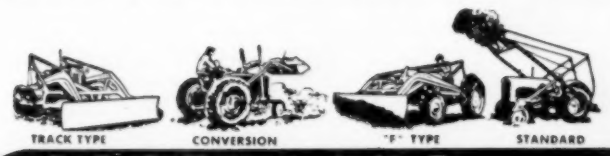
A TRADE PUBLICATION states that the most observant reporter of all time was the one who noticed Lady Godiva was on a horse.—Winfield Beacon.

YOU ARE THE ONLY person who is able to interfere, permanently, with your own success.—Correctionville News.

MIDDLE-AGE is when a man stops wondering how he can dodge temptations and starts wondering if he's missing any.—Algona Upper Des Moines.

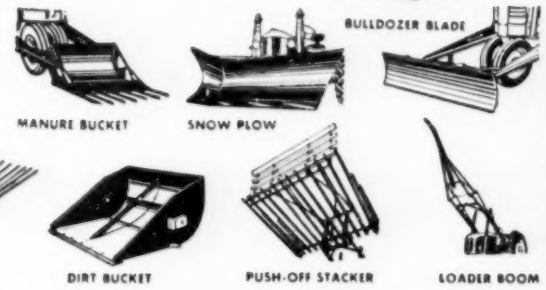
HORN-DRAULIC LOADERS — THE YEAR 'ROUND FARM IMPLEMENT

EASILY INSTALLED—ONE MAN OPERATION
MODELS FOR 80 DIFFERENT TRACTORS



FEATURING 8 LABOR SAVING ATTACHMENTS

Easily Installed To Front Of Horn - Draulic



JUST OFF THE PRESS!

The NEW 1949 Horn-Draulic Folder is available. Get complete details on this Labor and Money saving farm implement. There is a Horn Dealer in your locality.

SINCE 1909

WRITE FOR DETAILS... THERE IS A HORN DEALER IN YOUR LOCALITY

HORN MANUFACTURING COMPANY
FORT DODGE, IOWA, U. S. A.
DIVISION OF HORN INDUSTRIES
THE WORLD'S LARGEST MANUFACTURERS OF HYDRAULIC LOADERS

Hog Raisers Can NOW Buy the New Hog Cholera Vaccine!

NOW for the first time, the farmer has access to the new non-viable vaccine for immunizing against hog cholera. This vaccine originated with Government scientists.

The Colorado Serum Company is licensed by the Department of Agriculture to produce it under strict Government supervision.

Colorado Hog Cholera Vaccine

confers dependable immunity There are no setbacks, and no danger of spreading cholera infection. It is economical and SAFE.

Local Drug Stores can get it See yours, or write for free descriptive booklet.

COLORADO SERUM COMPANY
Denver 16, Colorado Council Bluffs, Iowa

"FACTORY TO YOU" PRICES
On 2,4-D and Other Agricultural Chemicals

Pioneer Chemicals cost less because you *buy direct*. You save the difference. Pioneer 2,4-D Weed Killer conforms to formulas endorsed by ag colleges. Your county agent will tell you that it is the actual acid content per gallon of any 2,4-D compound that determines its effectiveness. Pioneer Amine solution contains 4 lbs. 2,4-D acid per gallon. Pioneer Ester solution contains 2.65 lbs. per gallon. Pioneer 2,4-D works equally well in hard or soft water. Special ingredient insures that Pioneer 2,4-D WILL NOT CLOG SPRAYER. Compare Pioneer with any on the market and see why Pioneer is your best "buy".

MONEY BACK GUARANTEE
All Pioneer chemicals are guaranteed to be of the highest quality and guaranteed to give satisfactory results when used according to specific directions on the labels.

PIONEER CHEMICAL CORPORATION
512-A Live Stock Exchange Bldg. Kansas City 15, Missouri

FREE
Please send me, without obligation, the following:
☐ Complete "Factory to You" price list of Agricultural Chemicals.
☐ Latest 2,4-D Weed Killer report (Uses, description, application and questions and answers about 2,4-D Weed Killers.)
☐ Complete list of Weeds and the effect of 2,4-D on each.

ORDER BLANK—IMMEDIATE DELIVERY

PIONEER BRAND	1 GAL. CAN	5 GAL. DRUM	55 GAL. DRUM	SEND ME	COST PER GAL.
2,4-D WEED KILLERS Ester, 2.65 lb. 2,4-D acid per gal.	$6.15 per gal.	$5.65 per gal.	$5.55 per gal.	Gals. at	
Amine, 4 lbs. 2,4-D acid per gal.	$6.25 per gal.	$5.75 per gal.	$5.65 per gal.	Gals. at	
25% DDT Emulsion Concentrate	$2.95 per gal.	$2.75 per gal.	$2.45 per gal.	Gals. at	
47% Chlordane Emulsion	$6.95 per gal.	$6.50 per gal.	$6.25 per gal.	Gals. at	
5% Chlordane Dust (100 lb. and 200 lb. containers at $0.18 per lb.)				Lbs. at .18	
50% Chlordane Wettable Powder (25, 50 and 100 lb. containers at $0.85 per lb.)				Lbs. at .85	

All prices subject to change without notice. TOTAL AMOUNT $ _____
Cash, money order or check equalling 10% of the total order is required with order to insure acceptance of delivery. If payment in full accompanies order, a 5% discount on the total amount may be taken.

Name _____
Address _____
City _____ State _____

COMPARE THESE PRICES—WE PAY THE FREIGHT!

The United States Department of Agriculture
Through
Federal Crop Insurance Corporation
and
County Triple-A Committees
is offering

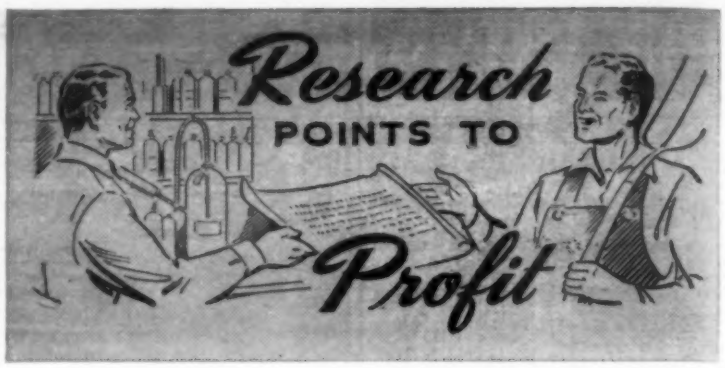
All-Risk Crop Insurance

on the 1949 Corn Crop in the following Iowa counties: Buena Vista, Cerro Gordo, Floyd, Madison, Osceola, West Pottawattamie, Story, Union and Washington.

Help develop the Crop Insurance Program by participating in this experiment in order that it can be made available to ALL farmers.

Farmers growing corn in these counties should see their County Committee before the CLOSING DATE—April 30, 1949:

Julian Jenson, John Mosbo, Eldon Carlson
Storm Lake, Iowa
Elmer Krause, Leo Stork, John Jenkins
Mason City, Iowa
Elmer Guenther, Edward Hofler, Lushen Inman
Charles City, Iowa
Henry Wishmier, Dale Gray, John McKee
Winterset, Iowa
Wm. Ostermann, Fred Odens, Ernest Wiechert
Sibley, Iowa
Chester Childs, Dudley Stupfell, Charles Minahan
Council Bluffs, Iowa
James Croker, Orville Nelson, Harry Gibson
Nevada, Iowa
Raymond Strain, Forrest Huss, Elmer Everling
Creston, Iowa
Howard Wittrig, Carl Oldfield, Warren Morgan
Washington, Iowa



Maybe you will want to try some of the ideas you read about in this column. If you do, go ahead. But, remember, in many cases you will be experimenting. In order to keep you posted on new developments in agricultural research, some projects are reported when they are still in the "testing" stage. When that happens, publication here is not to be taken as an unqualified recommendation.

Oklahoma Reports On Urea

The biennial report of the Oklahoma agricultural experiment station gives the following observations on the use of urea as a part of the protein in the rations of cattle and sheep.

In fattening steer calves, 25 per cent of urea pellets were equal to cottonseed meal, pound for pound, on a price basis.

Results were very satisfactory when wintering heifers were fed 25 per cent pellets, but results with weanling heifers did not turn out so well.

Lambs have efficiently used a higher level than 25 per cent in metabolism studies.

The feeding of urea pellets to lambs did not affect their digestion of calcium, phosphorus or carotene.

Cows and bulls made satisfactory use of 25 per cent pellets and suffered no ill-effects.

Good Results From Trace Minerals

Adding cobalt and other trace minerals to sheep rations has helped cut lamb losses in northern Wisconsin.

Research workers at the University of Wisconsin thought that cobalt-deficient soils might be the cause of high lamb losses in the area. So, in 1945 and 1946, they distributed a mineral mixture containing cobalt to a number of sheep men.

Mixture consisted, by weight, of one part each of cobalt, sulphate and potassium iodide plus a stabilizer, 10 parts each of monohydrated manganese sulphate and copper sulphate and 20 parts of ferric oxide. This mixture was added to the salt in the sheep's rations.

This mixture sharply improved lamb crops and is now available commercially at a cost very little above that of iodized salt.

Pre-Emergence Still Experimental

Altho some farm and experiment station tests have given good results, 2,4-D pre-emergence spraying is still in the experimental stage, says the USDA.

In many experiments, pre-emergence spraying with 2,4-D gave satisfactory control of broad-leafed annual weeds, crab grass, foxtail and other annual grasses.

However, moisture, temperature, time of application and other factors so influence results that pre-emergence spraying can not generally be recommended from the data now available.

Rock Phosphate Rates Well

Rock phosphate has compared favorably with other phosphates as a plant food for clover, alfalfa and grain crops in tests at the University of Missouri.

In a three-year test (1946 thru 1948), one test plot of limed soil got an application of 1,500 pounds of rock phosphate per acre. Another similar plot was treated with 100 pounds of 40 per cent superphosphate. Wheat yields were slightly less on rock phosphate plots, but yields of red clover hay were higher.

According to A. W. Klemme, Missouri soils specialist, 1,500 pounds per acre of rock phosphate will meet needs of phosphate-deficient soils for six to ten years. The rock phosphate seems to work best in rotations which include clover or alfalfa, or on pastures and meadows which include clover.

NOW! A HIGH-QUALITY COMBINE STRAW SPREADER . . . AT A REMARKABLY LOW PRICE!

The HESSTON COMBINE STRAW SPREADER

NOW ready for the John Deere 12A . . . the M-M "69" . . . and the M-H Clipper Combines.

Rigid, Quality construction . . . with roller bearings, V-belt drive, etc. Easily and quickly installed without disrupting mechanism. Combine picks up larger swatches. Low priced, complete, only . . . . . $48.50 For John Deere 12A
F. O. B. IPSWICH, S. D.

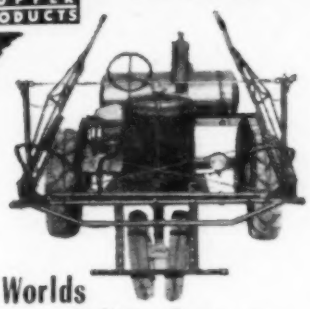
IMMEDIATE DELIVERY - SEE YOUR DEALER OR WRITE, WIRE OR TELEPHONE

WALL IMPLEMENT & DISTRIBUTING CO. IPSWICH, S. D.
MANUFACTURED BY — HESSTON MANUFACTURING COMPANY, INC. — HESSTON, KANSAS

here's why

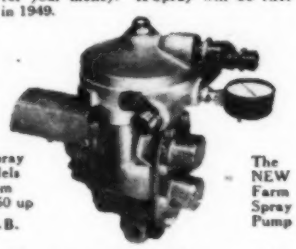
K-SPRAY

KUPFER PRODUCTS



Is Worlds Largest Selling Sprayer

LOW PRICE, with economy models from $119.50 and up. ALL STEEL STRENGTH, electrically welded with 3 section, rust-proofed booms, individually controlled. Simple design for easy operation, installation. Extra safety, economy, precision. New HYDRO-MASTER PUMP, first self priming, power takeoff, all-in-one pump unit designed for farm use. 8-16 gal. per min. delivery. SURE filtering with replaceable milk filter disks. Lifetime lubricated, ball bearing, 100% bronze and monel metal pump, no rubber. All parts replaceable. All models available with or without high clearance, adjustable wheel tread, tank trailer unit, hand spray, other accessories. DEPENDABLE company, since 1885 to 1949 a leader for quality. Every unit guaranteed. 4 big modern plants assure you precision engineering, mass production, more for your money. K-Spray will be first again in 1949.



K-Spray models from $119.50 up F.O.B.

The NEW Farm Spray Pump

Hydro-Master pumps, K-Spray fan or cone Nozzles, Nozzle Extensions, Corn Bore Nozzle adapters are available separately to modernize other standard equipment.

KUPFER PRODUCTS, INC. MADISON, WISCONSIN

Your Dealer's Name on Request

STATE DISTRIBUTORS

KUPFER PRODUCTS

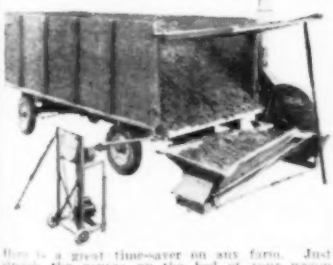
E. C. GERDES & CO.

BURLINGTON, IOWA

Choice Dealerships Available

Write for Information

WINCHESTER UNLOADER



How is a great time-saver on any farm. Just shovel the canvas on the bed of your wagon before loading. When you are ready to unload, you just wheel the power unit along side of the wagon, hook up the flexible coupling in a jiffy, start the motor—and the entire load rolls off. It easily handles loads up to four tons. It is perfect for handling forage, hay, grain and almost all other materials. The Winchester Wagon Unloader is priced right. Add this labor-saver to your farm. For catalog and full details, write to distributor.

Mead Farm Equipment Co., Inc.
7th Street Des Moines, Iowa

CARROLL IMPLEMENT & MFG. CORP.
Carroll, Ohio

NEW OAT HULLER and CORN CRACKER

GOLD NUGGET OAT HULLER hulls 40 to 60 bu. per hr. 4 to 6 H. P. Cracks corn—2 crackers, wheat, beans, barley, etc. Get double value. Grow quick bone and muscle on all livestock and poultry. LOW PRICE. Write for circular "Road to Fried or Road to Lean." (Why waste your oat and corn crop?) Process it yourself better at lower cost.

WM. GALLOWAY & SONS CO. (ORIGINAL)
Box WF-49 Waterloo, Iowa

BUY BONDS! — SAVE MONEY!

How, Where To Use DDT

New recommendations on the use of DDT have been made by the United States Department of Agriculture. Now they say: Don't spray dairy cows with it.

DDT is still the big fly-killer in most places on the farm. Spray around most farm buildings, hog houses, chicken houses. Spray it—in the proper dilution—on all livestock except dairy cows.

But, for dairy cows, the USDA says there is a risk of DDT being absorbed thru the skin and small quantities being secreted in the milk.

This fact has caused the Federal Food and Drug Administration to rule that any dairy products containing DDT would be subject to seizure if they are shipped across state lines.

So, for dairy cows, the USDA now recommends use of a substitute fly-killer called methoxychlor. It is as effective as DDT. And it is safer for warm-blooded animals, including humans. It is not so apt to be secreted in milk.

Keep DDT away from the milk rooms, too, says USDA. And they say not to use it in the part of the barn where dairy cows are handled and milked.

For other buildings, fences, house screens, etc., keep spraying DDT. Anywhere that flies light, DDT will catch them.

The USDA adds that forage treated with DDT should not be fed to dairy animals or to livestock which is being finished for slaughter.

Iowa Follows USDA Advice On DDT

"The various states have no choice but to go along with Federal Food and Drug Administration and USDA recommendations with regard to DDT and the other organic chlorides on dairy cattle," says Harold Gunderson, Iowa extension entomologist.

"The recommendation need not hamper effective fly control in Iowa this season," he adds. It does make sanitation more important than ever, Gunderson explained.

"Ordinary DDT can still be used anywhere on farms where there are no dairy cattle. Or on dairy farms ordinary DDT can be used on buildings other than the dairy barn, and on other classes of livestock," Gunderson says.

Dr. H. M. Harris, state entomologist, points out that methoxychlor is available and is applied in the same way as DDT. It is a close chemical relative of DDT. You may see methoxychlor referred to as methoxy-DDT.

Harris explains that it is definitely not excreted in milk or found in the fat of animals treated with it. It appears to be just as effective against flies as ordinary DDT, he says.

CANNED VEGETABLES found to be moldy should be thrown away at once, says John J. Powers, Ohio food technologist. On fruits, mold growth doesn't mean that they should be condemned in every case, but they should be looked on with suspicion.

When You See It In Action You'll Know Why Farmers Say—"IT'S THE BEST ELEVATOR ON THE MARKET TODAY."

UNIVERSAL

MOBILE GRAIN & HAY ELEVATOR

Built With Exclusive Plus FEATURES that Insure Better Performance on Any Job

- Universal makes only one model. Telescoping chassis frame is adjustable to give proper balance and adequate support for any trough length desired from 24 to 52 feet.
- Trough inside width is 18 inches. Built for volume capacity. Bales lie flat. Elevates round bales.
- Head and Boot Assembly, and Dragline Hopper are equipped with Fafnir Mechano ball bearings—permanently oiled and double-sealed.
- Improved undertrough, self-locking hoisting mechanism. It combines easy operation with complete safety.
- Will elevate larger volume of ensilage or chopped hay per minute on less than 1/10th the horsepower required by the usual blower-type equipment.
- Designed for easy one-man operation. Built to provide the maximum in more efficient, trouble-free performance.

These- PLUS FEATURES keep UNIVERSAL way out ahead in operating efficiency

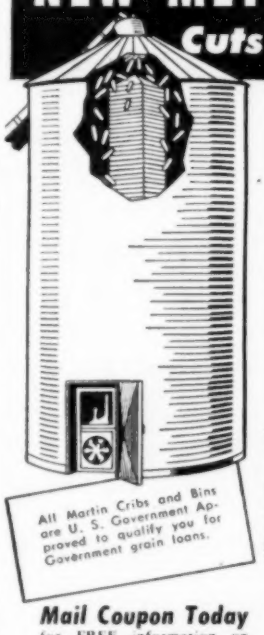
See your local Universal Dealer or write for FREE literature

Manufactured and Fully Guaranteed By

INDUSTRIAL ENGINEERING & MANUFACTURING CO., INC.
511 Bliss Street, Brimfield, Indiana

MANUFACTURER OF DEPENDABLE FARM IMPLEMENTS SINCE 1941

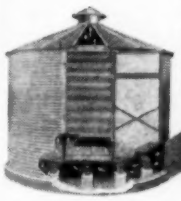
NEW METHOD SAVES CORN!
Cuts Labor—Speeds Drying



All Martin Cribs and Bins are U. S. Government Approved to qualify you for Government grain loans.

The New Martin Method enables you to pick corn early, dry it quickly, and reduce your handling labor to a minimum. Elevate your corn into the Martin High Round Crib which serves as ear corn storage as well as a drier. Natural or heated air is then blown through the corn to reduce the excess moisture. 1200 to 12,000 bushel sizes now available. Act now to eliminate all losses from spoilage, rats and weather. Durability and long life guaranteed by the successful experience of many users.

Store shelled corn and small grain with 100% safety, low cost!



Strong all steel construction gives lifetime safety in storing shelled corn and small grains. Can be used with natural air, scientifically ventilated . . . or with forced air, heated or unheated. Fireproof, rat-proof, weather-proof. Strongest Grain Bin made!

Mail Coupon Today for FREE information on Martin scientifically designed Cribs and Bins. Get full information on the Martin method of SAFE grain storage that increases your income, brings higher prices for your grain. Send coupon NOW!

MARTIN STEEL PRODUCTS CORPORATION
423 Longview Ave., Mansfield, Ohio

Please send me literature about: ☐ Martin Method Corn Storage ☐ Martin Method Haymaking; ☐ Martin Corn Cribs and Drier ☐ Shed Cribs ☐ Silos ☐ Haymakers.

NAME _____

ADDRESS _____

TOWN _____ STATE _____

STEEL MARTIN BILT

Conserve Your Soil

One man and any farm tractor builds high terraces, dams, fills gullies, etc., easily, swiftly. Loads, unloads, spreads, without stopping. Bulldozes backward. ½-yd., ¾-yd. sizes. 2 models. Prompt delivery from your dealer or direct from factory. Send for Free Literature and Low Prices.

K-S ROTARY SCRAPER

CENTRAL MFG. CO., 4924 Pioneer Ave., Dept. W-4 Boise, Idaho

OTTAWA POST HOLE DIGGERS

(THERE IS NO OTHER LIKE IT!)

Prices from $99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy hi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Strictly one-man machine. Write today for digger facts, new low prices.

OTTAWA MFG. CO., 5-987 Elm St., Ottawa, Kans.

Patents Pending

MEDICRUDE

For Hog Lice and Sarcoptic Mange

Yes, now Medicrude comes to you in a container that has many uses. You get an aid in the treatment of hog lice and sarcoptic mange that has been in use over 30 years —*plus* the bonus of a can that makes a valuable carrier for gasoline, fuel oil, etc., when it is empty.

Medicrude can be used in vats, for spraying, dipping, wallows or on rubbing posts. Buy it from your friendly D-X Farm Serviceman or order direct. It's *guaranteed!*

FARM D-X SERVICE

MID-CONTINENT PETROLEUM CORPORATION
TULSA, OKLA.

Waterloo, Ia. Terre Haute, Ind. 8

THESE BEAUTIFUL

2-BEDROOM CAPP-HOMES

NOT PREFABRICATED OR SECTIONAL —CONSTRUCTED OF ALL WESTERN LUMBER

FULLY GUARANTEED

The 24x32 North Star

CAPP HOMES ARE THE BEST—Shipped Anywhere. Meets All F. H. A. Building Requirements

CUSTOM BUILT - - Includes labor, right on your lot and foundation - - $2,589
PRE-CUT - - - - - - - - - - $2,389

We Custom Build in Iowa, Minnesota and South Dakota

You have many choices of different windows, doors, and exterior designs (horizontal bar windows optional). We FURNISH and CONSTRUCT all floor joists, bridging and sub-flooring; erect all outside walls, install all windows, frames, WEATHER-STRIPPING and hardware; hang and fit all outside doors, frames and hardware; erect the bearing partition, ceiling joists, roof rafters, collar ties, "A" bracing; cut out basement stair well and sheath the entire building. And we still furnish you 210 lb. asphalt thick butt roofing shingles, all lap siding or DOUBLE COURSED PROCESSED CEDAR SHAKE (PAINTED), felt paper, all inside doors, frames and hardware, all partition lumber ALREADY CUT ready for erection. BEST QUALITY AND WORKMANSHIP GUARANTEED. If you prefer, we can furnish such hard-to-get items as flooring, sheet rock, inside trim, plumbing and heating.

The 24x30, 1½ story Morning Star

CALL IN PERSON, WRITE FOR INFORMATION OR REPRESENTATIVE, NO OBLIGATION

Also 2-3 Bedroom Cape Cod Homes in 1 and 1½ Stories in All Sizes and Designs

M. CAPP MFG. CO.

400 E. COURT AVENUE DES MOINES 9, IOWA

In South Dakota: O. S. Sakarison, Webster
In Minnesota: M. Capp Mfg. Co., 1143 Dupont Ave. No., Minneapolis 11

Von Ruden Tractor Chainsaw

You get faster cutting with less effort with this sensational tractor powered chainsaw. The dependable power of any farm tractor or Jeep take-off gives several times the sawing speed of ordinary chainsaws and the tractor carries the Saw between cuts. Operates for felling, limbing, and cutting up anywhere the tractor can go. No weight to carry. No chain thrust to fight. Use the tractor to drag logs into easy sawing position without removing Saw.

Low price and special direct-from-factory discount save you money.

The **original** Tractor Chainsaw with exclusive features that make the tractor chainsaw a success. *Write for free illustrated literature*

VON RUDEN MANUFACTURING CO. • CLAREMONT, MINN.

When writing to advertisers, will you please mention this paper?

Farm and Feed-Lot

Washing Barn Walls Helps DDT

Some studies indicate reduction in effectiveness of DDT after building walls have been sprayed for several seasons may be due in part to accumulation of spray residues.

Apparently, this can be remedied by carefully washing the dirt and the old residues off with plain water.

Traps Get Rid Of Moles

To the Editor: How can I rid my farmyard of moles?—E. R. L., Fulton County, Illinois.

Trapping is the best way to get rid of moles. Traps should be set on their main runways, which are along fence-rows and in between feeding areas. Most hardware dealers have, or can get, special mole traps for you.

Since moles feed almost entirely on insects in the soil, it is almost impossible to poison them. Sometimes, early in the morning, they can be thrown out of the ground and killed as they are seen feeding near the surface of the ground.

Booklet Gives Tips On Wildlife

Many farmers get both pleasure and profit from pheasants, quail, fish and fur-bearing animals. But what can an individual farmer do about making conditions better for wildlife?

You'll find many of the answers in an 84-page, illustrated booklet just published by the Wildlife Management Institute. It contains much interesting information concerning game birds, animals and fish. It's full of tips on how you can help wildlife along—and how to prevent it from becoming a nuisance.

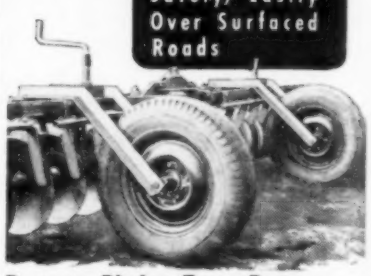
You can get single copies of the booklet free by writing the Wildlife Management Institute, 824 Investment Building, Washington 5, D. C. Ask for "The Farmer and Wildlife."

"No! No! I said a wagonload of oats."

BENNETT HIGH SPEED

DISC TRUCKS

Transport Discs Safely, Easily Over Surfaced Roads



Protects Blades From Damage.... Takes Only Seconds to Attach

Keep your disc sharp and keen . . . prevent damage to roadways . . . save time going to and from fields . . . do as thousands of farmers are doing . . . get new BENNETT Disc Trucks and transport your disc this fast, easy way.

Equipped with high-speed wheels that take regular 6.00 x 16 tires . . . Bennett disc trucks fit all makes and models of straight disc harrows. They take only a few moments to attach—detach. Can be left on disc when disc is not in use.

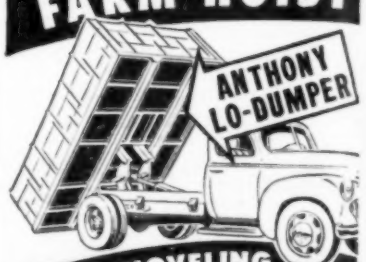
AVAILABLE FOR IMMEDIATE DELIVERY

Bennett disc trucks are low in cost . . . soon pay for themselves in time, work saved. Investigate today. Write for complete information and prices.

BENNETT & SON, INC. LENOX, IOWA

MAKERS OF: • JOHN DEERE A & B 5TH AND 6TH SPEEDS, • REG. & F20 ROAD GEAR AND STARTER, • F30 ROAD GEARS, • ALLIS CHALMERS PULLEY SHIFT, • MORHAIN MASTER UNLOADERS FOR CHOPPED HAY AND ENSILAGE, • CORN STALK PULVERIZING EQUIPMENT.

NOW! GET A FARM HOIST



STOP SHOVELING LET THE TRUCK DO THE WORK

Fits under your own platform, grain or stake body. You can find out all about Anthony Farm hoists from any truck dealer . . . find out how easy and inexpensive it is to make a dump truck out of your own platform, stake or grain body. Anthony "Lo-Dumper" Farm Hoists save shoveling grain, coal, lime, gravel, produce . . . IN USE 12 MONTHS IN THE YEAR. Low loading height. Powerful, long lasting, efficient . . . Thousands in use. Made by truck hoist specialists.

Distributed by: MOLINE BODY CO., Moline, Ill.
HAWKEYE TRUCK EQ. CO., Des Moines, Iowa

ANTHONY HYDRAULIC HOISTS STREATOR, ILL.

WINPOWER ROTARY HOE

FASTER and CLEANER START FOR YOUR CROPS

"Cross cut" sawtooth action pulverizes soil and kills weeds in early row and field crops. Cultivates 80 to 120 acres per day with 2 plow tractor. End to end flexibility gives 100% coverage. Outer sections fold in for transport through gates. Built extra heavy for long, trouble free use. Write today for free circular.

Warehouse Distributor
NOKES DISTRIBUTORS
613 Sixth Ave. Des Moines, Iowa

Winpower Mfg. Co. NEWTON IOWA

GERANIUMS 2 DOZEN PLANTS POSTPAID $2.00

These are strong young plants that will be found very satisfactory for planting in the yards or garden. PLANTS ARE READY FOR DELIVERY APRIL 15th to JUNE 15th. Any color or mixed. BUCKLEY GERANIUM CO. Springfield, Ill. (Try a box of these and you will want them every year)

QUALITY TARPAULINS

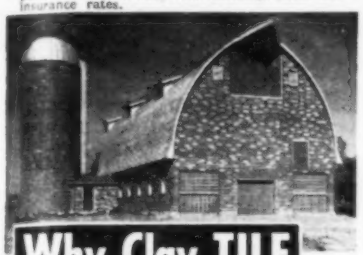
All sizes. Right prices. CATALOG FREE.
Hudson Machinery Co., Los Angeles 27, California

HAWKEYE SOY BEANS — Blue tagged. State certified, wholesale, retail. $5.00 per bushel. STEVE TURNER FARM SEEDS, Pontiac, Ill.

FARMER'S WOOL made into blankets, batting, robes and yarn. Circular free. MONTICELLO WOOLEN MILLS, Monticello 6, Wisconsin.

FARM Buildings

Now thrifty, far-sighted farmers are building with permanent colorful Clay Tile. Initial cost is LOW. Compare and see. Never need to paint. Fire-safe Clay Tile buildings mean low insurance rates.



Why Clay TILE

Warm, dry interiors reduce losses, increase profits. Easy-to-clean Clay Tile saves work. Clay tile can't sag, can't rot, can't burn. Economical Clay Tile farm buildings add permanent value to your farm. Ask your local lumber dealer.

cost LESS

GET THIS **FREE** 45-Page Farm Building Plan Book

MAIL COUPON

Structural Clay Products Institute
Dept. W 416, Ames, Iowa

☐ FREE! "Modern Clay Tile Farm Buildings."

☐ FREE! "Farm Drainage Facts."

☐ "Your New Home." Includes 15 plans for Economical Brick Homes. (Enclose 25c for mailing)

BUILD YOUR OWN TRAILER

$26.35

Minus Tires and Tubes. 10% with order. Bal. C.O.D.

Build Trailers for Boats, Stock, Feed, Sprays, Fence, Posts, Gen. Utility, Horses, Elevators. TIMKEN BEARINGS. 59" TREAD (wider available). 16" Demountable WHEELS. 1½" SQ. AXLE SOLID STEEL. Stub assemblies and farm wagons also available. ORDER FROM AD. Immediate delivery. DEALER! Write for Discounts.

SPECIAL PURCHASE!
Genuine "MISSISSIPPI" STEEL CASTING ROD
Reg. $5.95 — $2.95 POSTPAID

Stainless Steel Eyes, Copper Bound Rod is solid steel, machine plated with bright Copper Casting. Superb flexible action. Perfectly balanced. Aluminum Handle — Cork Grip. Special $2.95 DELIV. PAID. Please send check or money order or we will ship C.O.D. 10-DAY MONEY BACK GUARANTEE. MAIL YOUR ORDER TODAY.

Specify 4½ Ft. or 5 Ft. Length. Add 2% To Sales Tax!

NEED A REEL? ONLY $2.95

Famous make, beautifully streamlined with bakelite side plated quadruple multiplying, 100 yd. cap. Only $2.95. GET BOTH ROD AND REEL FOR ONLY $4.95. Save 95c. MAIL YOUR ORDER TO

STANDARD EQUIPMENT CO.
Dept. 4C CEDAR RAPIDS, IOWA

SAVE VALUABLE FEED

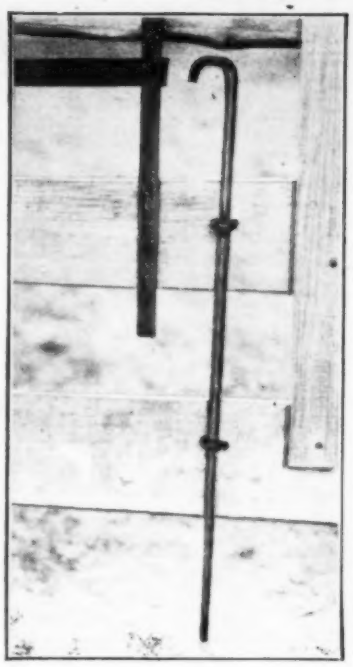
Preserve Natural Juices in a

KOROK SILO

★ ★ ★ ★ ★ ★

FIVE materials of permanencemake a Korok Silo *tops for crops*. There's no better way to preserve corn, small grains—even grass silage. A postcard to us will bring our representative to you ... without obligation.

INDEPENDENT SILO COMPANY
762 VANDALIA ST. - ST. PAUL, 4, MINN.



Sharpened end-gate rod makes a handy gadget for holding gate open wherever the rod is pushed into the ground.

Rape, Oats, Sudan Make Pasture

To the Editor: I have a small pasture. Grass is pretty thin. What could I sow there for pasture this summer?—P. L., Fayette County, Iowa.

If you plan to run hogs on this pasture, you might try a combination of oats, sweet clover and rape.

If you plan to put some milk cows on this pasture, you could do this: Divide the field in half. Sow oats and clover in one half for early pasture. Sow sudan grass in the second half for summer and fall pasture.

Follow These Rules To Save Calves

Two simple precautions will help keep down your calf losses, say dairymen at the University of Illinois.

First, give your cows a clean place to freshen. In bad weather, they should have their calves in disinfected, well-bedded maternity stalls. In good weather, they can freshen outdoors on clean pasture—preferably alone.

Second, disinfect the calf's navel with iodine immediately after it is born.

What Are Uses For 2,4,5-T?

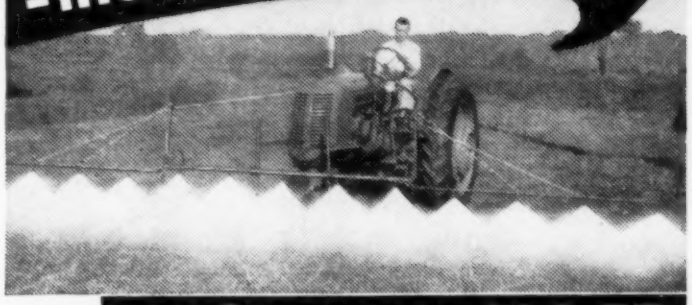
To the Editor: What are the weeds controlled best by the new 2,4,5-T? — A. H., Linn County, Missouri.

For control of certain bushy weeds, 2,4,5-T seems to be much more effective than 2,4-D. But for common weeds, it is no better than 2,4-D.

Since 2,4,5-T is more expensive, a good program is to spray first with 2,4-D. Then if any growth resists 2,4-D, the resistant plants can be given a shot of 2,4,5-T.

For milkweed, and such brushy plants as poison ivy, oak sprouts, hickory sprouts, osage orange, wild dewberries and wild raspberries, 2,4,5-T has often done better than 2,4-D. Sometimes, a combination of the two works better than either used alone.

SAVE YOUR CROPS -increase your YIELD



WITH THE **POWER-PAK** *Agricultural* **SPRAYER**

Buy Direct from the Factory and SAVE!

Ready for Immediate Delivery

Already thousands have been sold. Spray the Power-Pak way for insect and weed control. Helps halt their inroads on your crops, helps you get bigger yields at lower cost with less work. POWER-PAK does the job right, because it's engineered for its job.

POWER-PAK Agricultural Sprayer has Tuthill Self-lubricating direct-drive pump; 100 Mesh Monel strainers; easily replaced nozzles; sturdy spray booms with 13 nozzle outlets covering 20 ft. width. Corn drops available as accessories. Adjustable to spray ditches or terraces. Sprayer folds back on either side to clear obstacles. Write today.

PROPULSION ENGINE CORP.
7th and White Eagle Road
Dept. 1649 Kansas City, Kansas

SEND COUPON TODAY

Propulsion Engine Corp., Dept. 1649
7th & White Eagle Road, Kansas City, Kan.

Please send me more information and low, direct from factory, prices of your POWER-PAK Sprayer.

Name .....

Address .....

Town .....

State .....

MAKE $300 EXTRA PROFIT on each 1000 Bushels of your Corn

Qualify for a

P.M.A. CORN LOAN

If you leave your corn in the field, you are almost certain to lose heavily when warm weather, spring rains and mold reduce its grade. Moldy corn is unsalable and worthless for feed. But — if you act promptly to get it under cover — you can make up to 30c a bushel more by qualifying for a P.M.A. Corn Loan.

Protect and dry out your corn with a

PARTEN ALL STEEL CORN CRIB

Lasts for years — far superior to fencing. Prompt delivery for early orders. Don't delay — send coupon now for circular and prices.

DEALERS: Write at once for information

2 MEN Can Erect It in HALF A DAY

PARTEN MACHINERY CO.
315 Portland Avenue, Minneapolis 15, Minn.

Name .....

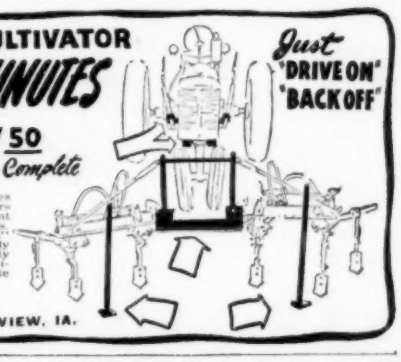
Address .....

YOUR FARMALL '238' CULTIVATOR ON OR OFF IN 3 MINUTES

★ ONLY 2 BOLTS
★ NO LIFTING

$27.50 Complete

Just "DRIVE ON" "BACK OFF"



The new VERMEER Cultivator attachment saves time and labor. Fits Farmall H and M tractors with the 238 cultivator. One man can mount or remove the cultivator in only three minutes. Only two bolts to attach. Takes the "Work" out of attaching your cultivator. Leaves it ready for immediate use. No more lifting! Only $27.50. Also available for John Deere cultivators at $32.50. See your local dealer or write us. Dealer inquiries invited.

Distributed Exclusively By
MID-STATES EQUIPMENT CO., LAKE VIEW, IA.

UNITED STATES SAVINGS BONDS BOUGHT NOW PAY SURE DIVIDENDS

FEEDING FACTS by the "Old Timer"

John Haberkern, President of Viking Laboratories, Inc., is known far and wide as "The Old Timer" in mineral feeding.

There were a lot of fine cattle sold at the Angus Sale conducted by the State organization. They were all good enough for foundation stock. These sales are bringing out one important fact—only the good cattle are in demand today.

There is a fast, steady gain when VIKING VILAK plays a part in the feeding program. It helps eliminate many of the hazards in the feeding game. You know that cattle at the yards are bought on a dressing percentage basis . . . and VILAK fed cattle dress higher.

One of our customers told us his cattle dressed 67 per cent and he gave all credit to Viking Vilak. Ordinary cattle dress from 60 to 61 per cent . . . it's that extra margin that adds profit for Vilak feeders.

John Hudson, Vilak's new State Manager has been out looking over the Iowa situation. He's doing a good job in helping Vilak dealers and Vilak feeders.

Most of the farmers are anxious to get out in the fields and get oats in. Seems as if every year midwest farmers and stock men are doing a better job . . . no wonder this country of ours continues to grow and prosper. There's a lot of satisfaction in being in the center of the nation's (or the world's) breadbasket and in working with men and women who are always striving to do a better job.

Had a letter from Sam Mitchell, Bridgewater, Iowa, saying, "I called your man, John Campbell, and ordered five bags of VIKING VILAK for my hogs. I have never found any other mineral as good as VILAK for fall pigs, they really grew when I put them on it.

The old mail bag still brings requests for our book, "Good Breeding and Feeding," and we have an ample supply on the shelves to supply more of you folks. Or perhaps you'd like some interesting folders that tell you more about VILAK. If you want the book, some folders, or some help on feeding just send me a card or letter. I want to help you in any way I can . . . so don't be backward about writing to me.

As we are writing this, there is a Shorthorn Show and Sale in progress. The Champion Bull exhibited by Judge Tedford Miles, Corydon, Iowa, was VILAK fed . . . so was Champion Cow exhibited by Ben Studor. Both these men have been feeding VILAK for a good many years. The $1,000 bull sold by Pennington Brothers is a VILAK fed animal . . . they told me Vilak mineral is quite necessary to do a good job.

Had word from Fred Nelson, Abingdon, Ill., saying, "Last year I lost 7 Angus calves, mostly from scours. Since I started feeding VILAK I have had 15 cows to freshen and not one case of scours. Never have I had stronger, healthier calves and pigs in all my years of stock raising."

Important ingredients in VILAK mineral supplement are ANISE MEAL which aids digestion and is an appetizer; MEAT MEAL of the highest grade, also an appetizer, contains a number of ingredients not found ordinarily in minerals.

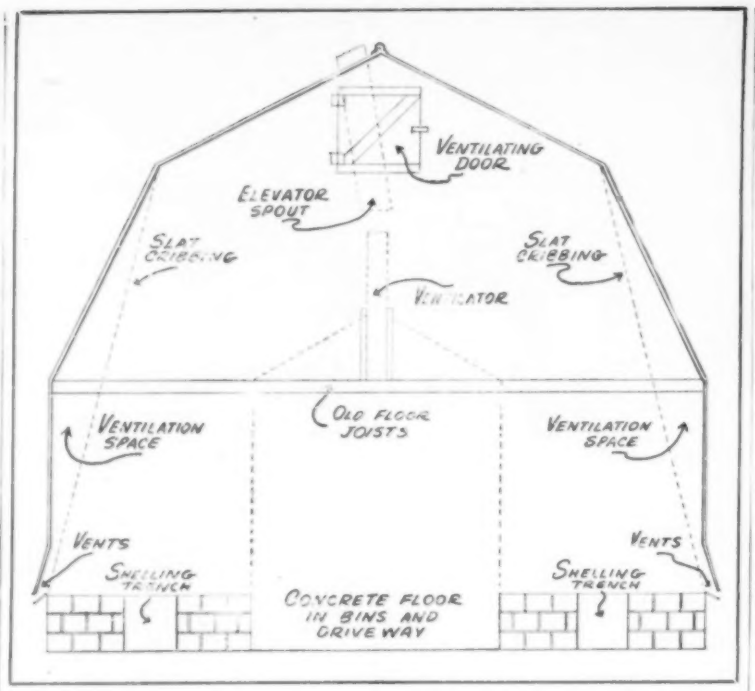
The Held Brothers, Hinton, Iowa, write, "For the past three years we have been feeding VIKING VILAK and our breeding cattle have shown good results. In some cases of sickness the animal has recovered more promptly by the use of this mineral."

The Choice of Profit-Minded Feeders

VIKING VILAK

MINERAL SUPPLEMENT

VIKING LABORATORIES, INC., Des Moines, Ia.



End View shows cross-section of old 26x32 horse barn which W. L. Jackson, of Floyd county, Iowa, converted into a corn crib. As a barn, building had stalls for 12 horses plus a harness room.

If It's No Good, Change It!

Unusual Remodeling Job Turned Old Hip-Roof Horse Barn Into A Sturdy Corn Crib

A FLOYD county, Iowa farmer —W. L. Jackson — had two things in common with a great many other middle-aged farmers in Iowa.

He had a good silo that he never used. And he had an empty horse barn that was gradually going to pieces.

He went to work on them. Now he has a sturdy crib that will hold between 4,000 and 5,000 bushels of ear corn. And two round grain bins that will hold 2,500 bushels of shelled corn each.

The barn, 26x32 feet, was on an old rock foundation. So Jackson poured a new concrete foundation and floor. He put a 20x20-inch shelling trench on each side, and left a 10-foot concrete driveway.

He cut off the bottom of the studding, lowered the barn so it is now nine feet from the floor of the crib to the old haymow floor.

The sides of the crib were flared by sawing triangular-shaped pieces of 2x8 to nail on the old studding. Then, to keep the corn from rolling out, where the flare was made, and to provide air

Jackson didn't want to remove siding, but he wanted ventilation. So he flared the siding at the bottom of the crib. Cross-section at the top of the page shows how he used slat cribbing to hold ear corn away from the walls and provide room for circulation of air.

FULL PROTECTION! RAIN OR SHINE

Gives full overhead protection because it's full size—6 ft. across. Adjusts to any position for protection sitting or standing. Offset post is out of the way. All metal frame, heavy duty, water-proof canvas cover...folds up on post when not in use. Fits all implements and tractors. See your dealer or write direct.

COMFORT EQUIPMENT DIVISION
Bearing Distributors Co.
1919 N. Baltimore Kansas City, Mo.

HEIDER MFG. CO.
CARROLL, IOWA
•
DISTRIBUTORS FOR TRACTOR
COMFORT COVER HEATER

DES MOINES IRON CO.
S. W. THIRD AND MARKET
DES MOINES, IOWA
•
DISTRIBUTORS FOR TRACTOR
COMFORT COVER HEATER

WHITEWASH *brightens and protects*

Use it freely around dairy barns, poultry houses, kennels, stables, basements, and damp places.

It's economical...gives a fresh, clean whiteness that can be frequently renewed at low cost. It's easy to make and use...simply follow directions on every bag of Ash Grove Snowflake Hydrated Lime. It's whitewash time *right now!* Buy lime from your local Ash Grove dealer.

ASH GROVE *Snowflake* **HYDRATED LIME**

THE NEW *Duplex* ROTARY SCRAPER

Most modern, simplified scraper on the market. Automatically loads. Bulldoze backwards. Many other exclusive features. "Patd."

Write Today for Details and Literature
DUPLEX CONSTRUCTION CO., Dept. B-12
21st and Locust Sts. East Omaha, Nebraska

NO NEED TO DREAM LONGER
about a business of your own and earning according to your ability! We will furnish you a stock of 140 personal, home and farm necessities on credit to sell in your locality. You get low wholesale prices when goods are sold. Products guaranteed to give 100% satisfaction. Bargain sales, premiums, free advertising aids help you make quick, easy sales. Experience unnecessary. We send Sales Guide book, other helps. Business established 92 years. Mail postal postcard for full details. The Ward Company, Dept. WF, Winona, Minn.

HYBRID CORN—Plant Carlson Champion C-N4—the Hybrid with the all-time high yield record in N. Ia. official yield test. Also others available at my place.
George A. Meek Marble Rock, Iowa

FROSTPROOF CABBAGE AND ONION PLANTS
—Large, stalky, well rooted, hand selected. Cabbage—Wakefield, Dutch, Copenhagen, 200 75c 500 $1.00 500 $1.25 1000 $2.25. Onions—Crystal Wax, Yellow Bermuda, Sweet Spanish, 500 $1.00; 1000 $1.75; 2000 $3.00. All postpaid. Satisfaction Guaranteed.
CULVER PLANT FARMS, Mt. Pleasant, Texas

AFTER THE STORM · THE RAINBOW!
AGRICULTURAL MUTUAL
Shines through the clouds

Compare...
BEFORE YOU BUY YOUR HAIL INSURANCE
Despite 1948 hail losses being the highest in 24 years, AGRICULTURAL MUTUAL paid its policy holders
28% DIVIDEND— last half of year
10% DISCOUNT— first half of year
5% DISCOUNT— last half of year
That's right—a 28% October 1st dividend in addition to the above discounts. That's Hail Protection at a Saving! Play safe, be prepared. Insure with Safety. Insure with AGRICULTURAL MUTUAL. Write for free illustrated folder. Learn how you can get the best protection for less. Write Karl Wagner, Secretary.
AGRICULTURAL MUTUAL INSURANCE ASSOCIATION
Capital City Bank Bldg. • Des Moines, Iowa

KEEP YOUR FIELD-TILE Open
The Economical New FARM - ROD
Cleans Field Tile of Roots, Mud and Other Debris.
Runs by HAND POWER or Tractor Take-Off
NO UNNECESSARY DIGGING. ELIMINATES FLOODED FIELDS
Cleans tile 3" or larger in diameter. Comes in handy, easy to use 25-foot sections which will clean from 5 ft. up to several hundred feet from one opening. Don't wait 'til plowing season. Do it now. Write for FREE folder. Give full particulars.
ROTO-ROOTER CORP.
Dept. EGH Des Moines 14, Iowa

Walsh BOOM SPRAYERS
SIMPLE EFFICIENT STURDY
EASY to mount on front or rear of any tractor, trailer, or wagon box end gate. 16-20-24 ft. booms.
SAVE MONEY—SEE A WALSH BEFORE YOU BUY
Ask your dealer or write for FREE literature
WALSH MANUFACTURING CO.
Charles City, Iowa

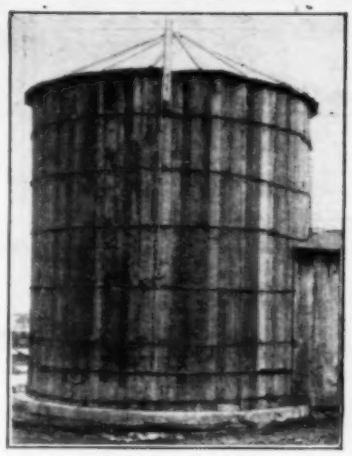
MIDWEST GRAIN BIN
Proper storage for crop loans and insurance. AAA approved — galvanized steel construction — rodent, vermin and weather proof. Easy to erect. Write for particulars and prices.
AGENTS WANTED
MIDWEST STEEL PRODUCTS CO.
121-B Railway Exchange Bldg., Kansas City 6, Mo.

SAVE UP TO $16 a Ton
BROWER Whirlwind FEED MIXER
Easy to use. 3 sizes . . . mixes 700 to 3000 lb. batches in 10 minutes. All steel, lasts for years. Over 8000 in use. WRITE for catalog today.
EASY TERMS
BROWER MFG. CO., Box 8302, Quincy, Ill.

DOES YOUR BACK ACHE?
A postcard to Waseca Implement Co., Waseca, Minn., will give full particulars on Bishman Wagon Unloaders. Simple and inexpensive—3—cost less than others charge for one.
WASECA IMPL. CO. WASECA, MINN.

ATTENTION FARMERS: Weighing is a proven [illegible] Let our check wire scales take the guess [illegible] right your corn planter wire is pulled. [illegible] mean more profits and better [illegible] Easy adjustment and scale is ready for [illegible] complete crop without further attention. [illegible] stakes; if stake size is larger give [illegible] furnished. Postpaid $6.95 per [illegible] Iowans include 2% sales tax. [illegible] insures immediate delivery.
[illegible] & T. MFG. CO., Div. B-2, SPIRIT LAKE, IA.

POSTHOLE DIGGER
[illegible] "Rapidigger" for Ford, Ferguson Tractors [illegible] drive shaft. Revolutionary invention. [illegible] literature. MODERN INVENTIONS.
[illegible] 11th Ave. So., Minneapolis 7, Minnesota.



Two wooden stave silos stood idle on the Jackson farm in Floyd county, Iowa. So W. L. Jackson sawed one in half and put each half on a new concrete foundation. One silo made two 2,500-bushel, 16x16 round bins.

space, he put snow-fence from the sill to the roof of the building. (See diagram at the top of the opposite page.)

That leaves the cribs about 7½ feet in width at the widest point. He also hinged a board at the bottom of the flare (see photo at bottom of opposite page), so he can keep snow out after the corn is dry.

He left the old 2x8, 26-foot haymow sills just as they were originally. The haymow floor was ripped into three-inch crib siding for the driveway.

Inside the crib, the walls don't go straight up. At the nine-foot mark they start following the contour of the roof of the building. At the center of the driveway is an eight-inch ventilating slot.

The diagram at the top of the opposite page shows this. Corn falls from the elevator spout onto this ventilator. As it rolls down into the crib, a lot of shelled corn and dirt sift out.

"When we had finished last fall, there was eight or ten inches of shelled corn all over this driveway," Jackson says. "Getting that shelled corn out helps the ear corn to dry faster and to keep better."

"I have only used this one season. I am anxious to try it out on some wet corn," Jackson says. "I feel sure that it will work out fine. And I think it is also built so it would be easy to use a drier here."

He used four wire cables with turn-buckles to further brace the crib, running two each way.

Jackson also had need for small grain storage, but didn't need the wooden stave silo he had. So he cut the old 16x32-foot silo into halves and made two 16x16 grain bins.

He set each of the halves on a concrete foundation, high in the center. And he added an extra support ring toward the bottom. Like everyone else, Jackson knows there will be a lot of corn to be reseal ed next fall.

He doesn't know what farmers will be paid for storage; that has not been announced yet. But 10 cents a bushel is the rumor.

If the 10-cent figure proves to be correct, and he reseals 5,000 bushels of corn for the CCC—well, he'll have a nice profit out of the old silo and still have two good grain bins.

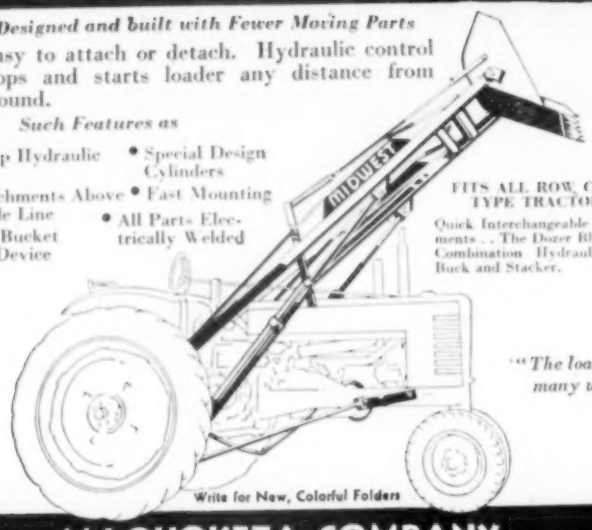
Your WATER WORRIES GO THE DAY DEMPSTER WATER SUPPLY EQUIPMENT ARRIVES
SHALLOW WELL EJECTOR TYPE PUMP
Self-priming. Greater capacity. One moving part. Quiet, dependable. Piping outlets conveniently arranged.
DEEP WELL EJECTOR TYPE PUMP
Only one moving part, with no working parts in the well. Quiet, economical, efficient. Does *not* have to be installed directly over the well.
DF-1-49
HERE ARE THE FACTS
You may need one of the above illustrated pumps or you may need a plunger type pump.
DEMPSTER'S new booklet will help you get ready for running water. It's full of facts you must know to choose the *right* water system . . . and it's yours for the asking. Get your copy *now!*
SEND THIS COUPON FOR FREE BOOKLET
DEMPSTER WATER SUPPLY EQUIPMENT
Dempster Mill Mfg. Co.
617 S. 6th St., Beatrice, Nebr.
Send my FREE Fact Booklet at once.
Name.....
Address.....
Town..... State.....

"SOIL SAVER" BOB GARST
predicts Iowa's corn yield will average 75 bu. per acre.
Iowa has had an average corn yield of 60 bushels per acre for several years. Bob Garst, of Garst and Thomas Seed Company, Coon Rapids, Iowa, which produces and sells Pioneer Hybrid Seed Corn, says it takes a mighty brave man to say that the state average will not some day jump to 75 bushels per acre. Garst believes Iowa will achieve this 75 bushel average by launching an all-out soil conservation program. He calls for better seed, more contouring and contour farming, better drainage, and more legumes. Most important, says Garst, is the widespread application of advanced information on fertilizer and the proper use of modern soil builders. He says that by following a complete fertilization program, farmers throughout the Southwestern Corn Belt—as well as Iowa—can reap bigger harvests and greater profits. "Soil Savers" everywhere agree with Bob Garst. Bigger *yields*, bigger *herds*, and bigger *profits* prove them right! Cash in on your soil. Ask your Farm Expert how you can become a "Soil Saver." *It Pays!*
SPENCER
Manufacturers of HI-NITROGEN Agricultural Products
SPENCER CHEMICAL COMPANY, W-5
Dwight Building, Kansas City 6, Missouri
Clip and mail for your FREE Booklet, entitled, "GRASS".
Name _____
Town _____ County _____
State _____ R.F.D. _____

It's easy work now!
WITH THE MIDWEST *Power Plus*
HYDRAULIC LOADER
FAST, POWERFUL LIFTING

Designed and built with Fewer Moving Parts
Easy to attach or detach. Hydraulic control stops and starts loader any distance from ground.

Such Features as
- Finger-tip Hydraulic Control
- Special Design Cylinders
- No Attachments Above Rear Axle Line
- Fast Mounting
- Positive Bucket Closing Device
- All Parts Electrically Welded

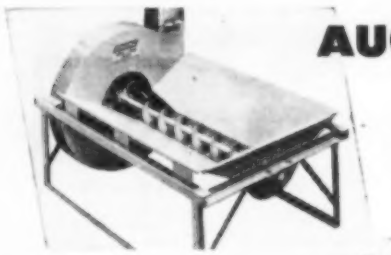


FITS ALL ROW CROP TYPE TRACTORS
Quick Interchangeable Attachments . . The Dozer Blade and Combination Hydraulic Hay Buck and Stacker.

"The loader of many uses"

Write for New, Colorful Folders

MAQUOKETA COMPANY
MAQUOKETA 3, IOWA

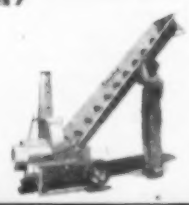


AUGER BLOWERS

Save Backwork

The 6-fan rotor in Smalley Models A and C Grain and Forage Blowers is balanced like a dynamo, cradled in ball bearings. A rush of air is all you hear. Simple, safe auger plus anti-clog forage hooks gives positive feeding. One of the few blower fans able to handle soybeans and grains.

FREE
Blower folders and blueprints for constructing your own forage wagon with SKOOTER wagon unloader. Write to factory—



NOW THE NEW
FOLDING BLOWER
ONE MAN lifts hopper, or tilts blower onto its air wheels for transporting. Folds like a jack knife.

SMALLEY MFG. CO.
557 York St., Manitowoc, Wis.

Smalley AUGER BLOWERS

Corn King

EXTRA MINERAL QUALITY

AT NO EXTRA PRICE

AT YOUR LOCAL DEALER

NOW
IS THE TIME TO CHECK
With Your Local Dealer About Your Supply of
Agricultural Chemicals
HOW IS YOUR SPRAY EQUIPMENT ?

Farm News Briefs

FLAX PRICES this year will be supported at $3.99 per bushel (Minneapolis basis). That's 90 per cent of March 15 parity.

▲ ▲ ▲

NEW COUNTY extension director in Marion county, Iowa, is Leo Waggoner, lately vocational agriculture instructor at Wellman. He succeeds Gress Rogers, who moves to Tama county.

▲ ▲ ▲

IOWA FARM PRICES went up a little last month—from an index of 261 to 274 (1909-1914 is 100). Index of farm expenses stayed at 264. So parity index rose to 104 after dropping to 99 in February.

▲ ▲ ▲

MARCIA GASTON, Clay county, Iowa, and Durward Lyon, Tama county, are among 50 American farm youths chosen to spend three months on European farms this summer. Miss Gaston will go to Sweden, Lyon to Finland.

▲ ▲ ▲

NUMBER OF COUNTY soil conservation districts in Iowa has been increased to 96 with establishment of districts in Palo Alto, Bremer, Clay and Sioux. Only counties not yet organized are Lyon, Osceola, Mitchell, Howard.

▲ ▲ ▲

DARRELL A. RUSSEL has been named district extension director in soil conservation for east-central Iowa, with headquarters at Cedar Rapids. He will be in charge of soil conservation education in a 13-county strip from Des Moines to the Mississippi.

▲ ▲ ▲

ELECTRIC SERVICE will be extended to more Iowa farmers as a result of new REA loans to Hancock County Rural Electric Cooperative, Garner ($190,000), Nishnabotna Valley Rural Electric Cooperative, Harlan ($640,000), and Buchanan County Rural Electric Cooperative, Independence ($240,000).

▲ ▲ ▲

FLYING FARMERS and other pilots will get special attention at this year's Drake Relays, April 29 and 30. Relays officials will run busses on a frequent schedule between Beaver field, at the north edge of Des Moines, and Drake Stadium. Tickets may be obtained by writing Drake University, Des Moines, Iowa.

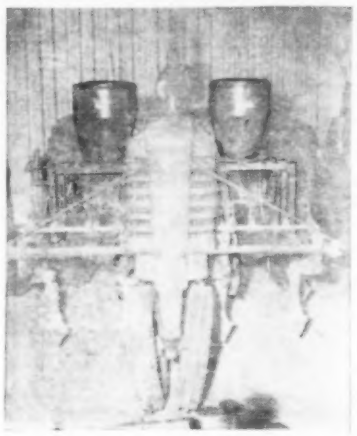
▲ ▲ ▲

IOWA STATE FAIR premiums will reach a new all-time high this year. The 1949 fair, scheduled for August 26-September 2, will offer $148,500 in prizes, including $22,000 on horses, $35,000 on cattle, $18,200 on swine, $7,600 on sheep, $8,800 on poultry and pigeons, $27,000 in junior divisions, and $30,000 in agricultural, culinary, textile and other contests.

▲ ▲ ▲

NEW PRESIDENT of the Iowa Association of County Extension Home Economists is Ruth Foster, Washington county. She succeeds Myrtle Hewitt, Humboldt county. Other officers are: Mrs. Merle Bovis, Jackson, vice-president; Mary Frances Kelly, Hardin, secretary; Maxine Smith, West Pottawattamie, treasurer; Mrs. Winter Mackay, Madison, historian.

IMMEDIATE DELIVERY!
The Midwest
FERTILIZER ATTACHMENT



Can be mounted on the following TRACTORS: John Deere A & B, International M & H, Massey Harris 44. Also the following CULTIVATORS: Ford Ferguson, Dearborn and Allis Chalmers W. C.

DON'T WAIT. Order that fertilizer attachment now so you will have it when you are ready to use it.

For further information see your nearest dealer or write

Midwest Mfg. Co.
COLUMBUS, NEBRASKA

ATTENTION DEALERS: A few choice territories available in Iowa. Write us.

• Special low price that cannot be duplicated

Only **$3.98** Postage Pair Plus
• Money back if not satisfied

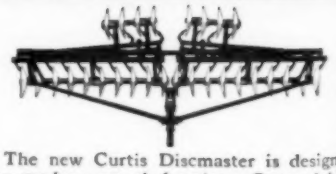
ARMY
Garrison Type
GRAIN LEATHER SHOES

Made from genuine army russet double tanned upper leather—not cheap split leather imitations. These hard-wearing work shoes are surplus from the stock of one of New England's leading shoe manufacturers and normally sold for over $7.00.

Heavy composition outsole plus heavy oak leather middle sole are nailed and stitched to the upper for maximum wear. Extra heavy inner sole.

USE COUPON
REAL LEATHER SHOE CO.
471 Mill St., Worcester, Mass.
Enclosed is check ( ); or money order ( ) for $4.23 (Includes Postage)
My size is .....
NAME .....
ST. or R. F. D. .....
TOWN or CITY .....STATE .....

DISCMASTER Gives You Cleaner, Deeper Discing

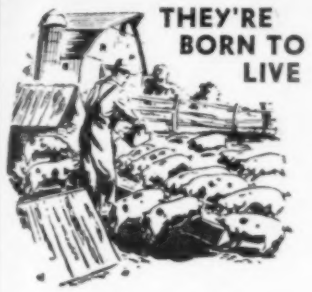


The new Curtis Discmaster is designed for modern speed farming. Saves labor, saves time. Easy to set up; scrapers are mounted and in position. Simply attach the tongue and braces, and your Curtis Discmaster is ready for cleaner, deeper discing. Specially built adjustable scrapers keep blade clean. Folding wings are easily removed. Easy to angle or straighten gangs. Made in 12', 15', 18', and 21' widths. Write for prices, illustrated literature and name of your nearest dealer. (Dealers: A few choice territories still open.)

CURTIS MFG. CO., Dept. WF-1 Denison, Iowa

ARE YOUR BUILDINGS SAFE
WHEN LIGHTNING STRIKES?
YOU Need Protection NOW
Prevent destruction of your buildings, livestock, equipment and family possessions. Install the Security System of lightning protection.
Proved protection for over 77 years. No building has ever been destroyed that had the protection of the Security System.
Installation Inspected and Approved by Underwriters Labs., Inc. Write Today.
ALLIED IOWA SERVICE
449 Tonawanda Drive Des Moines, Iowa

Buy a Bond Today!



THEY'RE BORN TO LIVE

REDUCE BABY PIG LOSSES
DUE TO NUTRITIONAL ANEMIA
—USE—
TRACITE

Tracite is a medium of supplying trace minerals. Essential for formation of hemoglobin in the blood. Supplies trace elements essential for reproduction and lactation.

Inquire about our treatment for necro and scours.

WRITE
M & M Livestock Products Co.
Dept. W-2 CLARION, IOWA
Manufacturers of Drug, Trace Mineral, and Vitamin Compounds for Livestock and Poultry.

CORN CRIBS and GRAIN BINS

CHAMPION "Hi-Quality" CRIBS and BINS
LOWER COST
LONGER LIFE
Immediate Delivery

Permanent, leak-proof, crop-tight. Built-in ventilation. Shipped complete. Easy to assembly—easy to move. Many sizes. SEALING PAYS FOR STORAGE. 40 years of premium quality. Also silos, hog and poultry houses, granaries, etc.

WESTERN SILO CO.
DEPT. W-4 WEST DES MOINES, IOWA

Easy and Cheap to Operate

SAVE TIME, WORK, MONEY!
SHAW "DU-ALL" and "PEPPY PAL" TRACTORS

PLOW
These rugged walking or riding tractors are ideal for farm, truck garden, orchard, poultry farm. Operate on a few cents an hour. A child can handle them.
DO DOZENS OF JOBS Both riding and walking tractors quickly and easily plow, cultivate, harrow, disk, bulldoze, spray, haul, grind, saw wood, etc.
LOW FACTORY PRICES Buy direct or thru your dealer. Year's guarantee.
RIDING TRACTORS Four models from 5 to 12½ H. P., 58 in. wheelbase, 36 to 52 in. wide, 24 in. plant clearance. Hand or electric starter. Walking Tractors 1½ to 3 H. P.
FREE Illustrated folders giving complete details, price list—write today.
CULTIVATE
SHAW MFG. CO. 4904 Front Street, Galesburg, Kans. 668WF North 4th Street, Columbus, O.

MOZ-ALL POWER MOWERS

WEED CUTTING . . . For easy trimming under fence rows . . . around the barnyard . . . in the orchard . . . MOZ-ALL can't be beat!
Powerful gas engine does the work. Hi-speed steel blade cuts shoots, scrubs and all types of undergrowth. You pick the weed patch. MOZ-ALL does the work.
LAWN-MOWING . . . . MOZ-ALL whisks thru heaviest grass. Trims right up to shrubs, walls, gutters. Gives, smooth, even cut over the roughest ground. It's fun to keep your lawn beautiful with MOZ-ALL!
MOZ-ALL . . . 3 different sizes. Mows everything from finest lawns to thickest weeds. Priced as low as $119.
For full information and beautiful New Brochure . . . see your dealer or write. . . . . .
WIND-KING ELECTRIC MFG. CO. Merrill, Ia.

Corn Storage Problem?
Lick it with NEW Bestfarm
Dual-Purpose Bldg!

UTILITY BUILDINGS AND GRANARY FOR AS LITTLE AS 30c PER BUSHEL!
• DON'T be over built on one use grain storage buildings. Get all details on new double purpose Bestfarm Building . . . the handsome, lifetime aluminum covered building that gives you space galore for all your storage needs—machinery, grain, shop—at a cost unbelievably low. Don't delay—WRITE TODAY.
BESTFARM BUILDINGS, INC.
Box 405 Appleton, Wis.

CRIB PLANS FREE!

Send for FREE crib blueprints with list materials. Also Elevator catalog—shows 8 styles.
MEYER FARM ELEVATORS CUP AND PORTABLE
Simplest, strongest—no short turns. Widest, sturdiest PORTABLE—handles baled hay. Write us your crib problems today. State whether interested in BUCKET or PORTABLE. Postal brings FREE catalog. THE MEYER MFG. CO., Box 1265, MORTON, ILLINOIS.

U. S. SAVINGS BONDS ARE SAFE

Beware "Hard Luck" Plea

C. R., a Lee county, Iowa, farmer, tells how a salesman working the area there uses a hard-luck story to sell articles to farmers:

"A salesman drove into our place and gave the following sales talk:

"'I tried to start a tea and coffee route last week, but I can't find a house in Donnellson, Iowa, for less than $6,000. I was in the army six years, and don't have that kind of money.

"'My wife called from Washington, Iowa, and said I could have a job driving a county truck if I got there by 3 o'clock. I'm going to quit selling by 1 o'clock.

"'It's 12:10 now, and I am closing out the rest of my stock at half-price. I have just enough left for two or three stops.'

"Then the salesman set out 10 or 15 bottles of lotion, vanilla, bay rum, talcum and face powder, shampoo, various extracts, and a half-pound can of cocoa.

"'If you pay the regular price for the vanilla, I'll give you the rest,' the salesman said.

"We already had vanilla, but he said it would keep. So we bought three bottles of his vanilla at $1 a bottle. He gave us a half-pound of cocoa, two bottles of shampoo, a can of talcum powder, and one bottle each of hand lotion, bay rum and hair oil.

"He said all his products were guaranteed, but didn't leave any receipt. I asked his name. He hesitated, then said, 'Henry Cheney, Washington, Iowa.' His car was mud-splashed, so I didn't get his license number.

"The next day I happened to go over to Donnellson to see a friend. I told her about the vanilla. She said that the same salesman with the same line of talk stopped at her place last summer and sold her $5 worth.

"I later learned that he hooked a lot of people around Donnellson, using the same approach."

Corn Book Published

The new edition of "Corn and Corn Growing" is published by Wiley & Sons, of New York. Price is $4.50. Publisher and price were given incorrectly in a recent announcement in this paper.

"Give me two sacks of chick feed in blue organdy, 10 cow feed in plaid percale, 100 pounds of flour in pink with white flowers, a bale of hay tied with a red ribbon. . . And send it in your green truck."

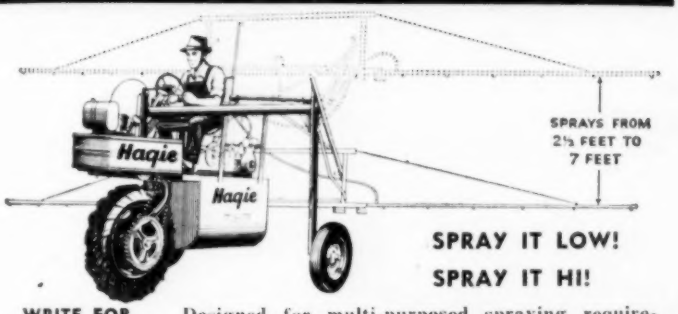
Greater Corn Borer Control Means Greater Profits!

Fight Corn Borers With a Siebring Stalk Cutter

Both the Siebring hammermill type and the Siebring cross-cut type will cut stalks clean and shred them so that they will help enrich your soil. The corn borers you eliminate with a Siebring stalk cutter can't catch, can't cut dollars from your farm profits. When stalks and stumps are pulverized, they are easily covered with your disc or plow, thus enriching the soil. All Siebring stalk cutters have a 1½" shaft for a firmer grip on the pulleys. Both hammermill and cross-cut types are available in two-row and four-row models. See the Siebring stalk cutters at your dealer's. Write factory for name of nearest dealer, prices, and illustrated literature. DEALERS! Some Iowa franchises available.

SIEBRING MFG. CO., Dept. WF-6, GEORGE, IOWA

HAGIE'S
ORIGINAL
SELF PROPELLED
SPRAY CARRIER



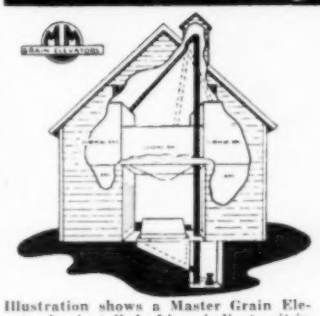
SPRAY IT LOW!
SPRAY IT HI!

WRITE FOR DETAILS

Designed for multi-purposed spraying requirements, and self propelled, Hagie's is engineered to adapt your spraying equipment.

HAGIE MANUFACTURING CO.
CLARION, IOWA

MASTER Grain ELEVATORS



Solve Your Grain Moving Problems Inexpensively

The safest, surest and cheapest way to elevate grain and feed. Specially designed for permanent installation in feed plants, grain elevators, farm buildings and mills. Provides long trouble free service.

Made to Fit Your Needs

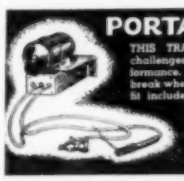
Two sizes—500 and 1,500 bushels per hour capacity. Available in heights up to 50 feet. All metal construction, full chain and bucket type. Single leg self-supporting unit, easily and quickly installed in limited space. Power requirements small. Automatic Chain Tightener and Safety Disc Clutch. Portable models with same construction also furnished. Prompt deliveries.

Illustration shows a Master Grain Elevator leg installed. Lines indicate pit in driveway, engine room, storage bins and overhead loading bin. Minimum installation and remodeling cost to install a complete powered Master Elevator.

Write for Literature and FREE Dump Pit Plans

MASTER MANUFACTURING COMPANY
1321 East Avenue "A" HUTCHINSON, KANSAS

PORTABLE WELDERS



THIS TRACTOR-POWER D. C. WELDER challenges any 200-Amp. welder on Performance, Price and Portability. Weld the break where it happens, easily, quickly. Outfit includes high and low amp. taps, two 10-ft. leads, insulated electrode holder, ground clamp, hood. Write for New Folder: see your dealer.
FARM POWER MFG. CO.
Columbia, So. Dak.

WE BUY BURLAP AND COTTON FEED BAGS
Pay Highest Prices. Freight Paid. LINCOLN BAG CO., 7108 Dartmouth, University City, Mo.

WORMY PIGS? Doctor Hinrichs' Hog Powder. Fed in feed. No starving. 5 lbs., $3 Postpaid. HINRICHS REMEDY CO., WALCOTT, IOWA

WHEEL WEIGHTS
Buy Direct and Save Money!
★ Styles for all popular makes of farm tractors. Immediate delivery on many models. Write us giving tractor name, model and year. We will advise you of low price and delivery date by return mail.
FARM TRACTOR EQUIPMENT CO.
P. O. Box 1325 • Milwaukee 1, Wisconsin

BUY U. S. SAVINGS BONDS NOW

BISHMAN
The Original Wagon Unloader

AT LAST! A simple, Long Life, inexpensive wagon unloader. Complete (3) wagon setup costs less than others charge for one. Save your back! Save money!
For full particulars fill in the coupon below:

I own ....., do not own .....
a Forage Harvester ..... Corn
Picker ....., Am buying a Wagon
Unloader .....
Name .....
City .....
RFD..... State.....

Dealers Contracts Available! Write
Waseca Implement Co.
WASECA, MINNESOTA

Roll or unroll wire FAST and EASY with a RAPID WIRE REELER

● Rolls and unrolls barb wire, chain link or smooth wire—at speeds up to 20 M.P.H. Midwest Rapid Wire Reeler is bolted to any row type tractor in a matter of minutes. Adjustable pulley. Double acting heavy duty clutch keeps wire tight. NO EXTRA SPOOLS TO BUY. Each roll of wire can be slipped from spool and stored. Fully guaranteed. Dealer inquiries invited. WRITE TODAY FOR FREE CIRCULAR.

THE MIDWEST WIRE AND STEEL PRODUCTS CO.
535 So. Concord St. South St. Paul, Minnesota

Feed Your Soil
RUHM'S PHOSPHATE ROCK

- INCREASES YIELDS
- IMPROVES QUALITY
- HASTENS MATURITY

Super Finely Ground

so plants get more out of it—quicker—and so do you. The best phosphate and the cheapest if you count results.

WRITE OR SEE YOUR DEALER

Louis J. Reilly ..... Ryan, Iowa
Carnine and Douglass ..... Sac City, Iowa
Henry A. Bierma ..... Lorimor, Iowa
Craig Pettit ..... Mt. Sterling, Iowa
Geo. F. Ireland ..... Oskaloosa, Iowa
Clarence G. Taylor ..... Sibley, Iowa
I. G. Chrystal ..... Coon Rapids, Iowa
Robert Rocker ..... Bondurant, Iowa
J. E. HARRIS, State Rep. ..... AMES, IOWA

RUHM PHOSPHATE & CHEMICAL CO.
8 S. Michigan Ave. Chicago 3, Illinois

SEE WHERE YOU'RE GOING! WHERE YOU'RE MOWING!

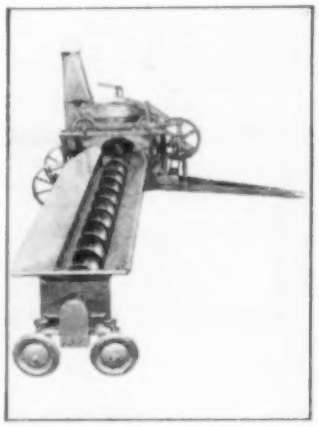
KOSCH
TRACTOR MOUNTED
POWER MOWERS
"The mower with the cutting bar in FRONT!"
For FARMALL H&M and JOHN DEERE A&B
Write for FREE LITERATURE today!
KOSCH MANUFACTURING COMPANY
Dept. WF-3, Columbus, Neb.

FOR SALE—HIGH SPEED ROAD GEAR ATTACHMENT. 15 miles per hour, easy to install, to fit John Deere Tractors A and B, also McCormick-Deering, Regular Farmall, F20 and F30 Tractors.
BRIDGEPORT EQUIPMENT CO., INC.
BRIDGEPORT, NEBRASKA

Buy Bonds Now

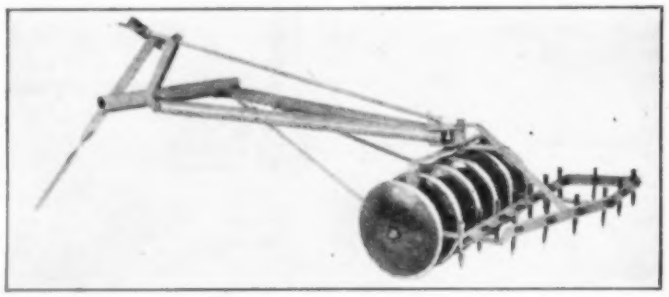
What's New?

One-Way disk plow is made for Farmall H or M tractor. Cuts 7-foot swath. Makers say the plow can be used for disk harrowing, stalk cutting, stubble mulching, contouring, terracing or restoring pasture land. Made by Krause Plow Corp.



No Lifting when you drive up to this unloading machine. The feed trough simply rolls out of the way on rubber-tired wheels. Said to put a load of chopped hay in the mow in seven minutes: two minutes for a ton of silage. Manufactured by the Algoma Foundry and Machine Co.

New "Ripper" fits into a sewing machine like a needle. It rips out machine stitches faster than you can possibly rip with a razor blade or a pair of scissors. It's very simple and saves much time in making over clothing. Manufactured by Gilman Engineering and Mfg. Co.



One Trip over the field with this implement is said to prepare the seed-bed. The implement attaches to your plow, and you can plow, disk and harrow at one operation. Said to destroy clods and hold moisture. Made by Rice-McGraw Co.

High Clearance sprayer is made from a small tractor. Regular tractor motor is used. Makers say that the tractor can be quickly converted. Can be used for spraying or detasseling. Made by the Rochelle Manufacturing Corporation.

LOOK!
CHAMPION Ready-Built HOG HOUSES
CHEAPER·BETTER·EASIER THAN YOU CAN BUILD YOURSELF

COST LESS than any on-the-job type. STRONGER, STURDIER — better built. MORE ATTRACTIVE — better designed.

CHAMPION "SQUARE" HOG HOUSES — In 2, 3, 4, 6 or 8 pens. Size of pens 6'x8' and larger. With or without alleys.

CHAMPION "ROUND" HOG HOUSES — In 2, 3, 4, 6 or 8 pens and up to 30-pen sizes.

CHAMPION Ready-Built CORN CRIBS
And Champion GRAIN BINS

In many sizes. Cost less per bushel per year. PAY FOR YOUR STORAGE BY SEALING. The outstanding high quality farm buildings at moderate cost. Write—

WESTERN SILO CO.
DEPT. W-4 WEST DES MOINES, IOWA

RURAL MAIL BOX NAMEPLATE
YOUR NAME, made with 1-inch, raised, blackface, ALUMINUM letters. Complete with bolts, nuts and brackets for mounting on top, side or bottom, as shown. Lasts a lifetime. Descriptive literature free. Satisfaction guaranteed or your money refunded.
Single Nameplate, prepaid....$1.00
Double Nameplate, prepaid....$1.75
Adjustable Sign Co., Box BW-1, Askov, Minn.

Does a *Hail Storm* Have First Mortgage On Your Profits?

Don't take chances Be prepared with our guaranteed - price - per - bushel policy. Write for full information.

SQUARE DEAL INSURANCE CO.
(MUTUAL)
DES MOINES (8), IOWA

GET THE——
NEW BUSH CHERRIES
Great, big Cherries as large as early Richmond. Can be grown in the back yard on bushes no larger than a currant bush. Black, red and yellow cherries. We have more than 30 varieties. Sweet Bush Cherries, Nanking Bush Cherries. Each variety makes a different jam or jelly. Many fine Plums. All the new varieties of Apples from the Minnesota Fruit Farm. The new Cascade Currant, largest and sweetest of all Currants. Catalog free. 80 years in business.

BRAND NURSERY
BOX 408 FARIBAULT, MINNESOTA

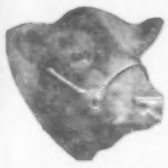
PROTECT BABY CHICKS

10¢ AT ALL DEALERS
ALLAIRE, WOODWARD & CO.
PEORIA, ILLINOIS

KILL GOPHERS with GOPHER DEATH
Rid your farm of gophers, ground squirrels, prairie dogs, etc. Handy tablets, cheap, easy to use. Famous over 40 years. Ask your druggist or Seed dealer for Gopher Death.
FORT DODGE CHEMICAL CO., FORT DODGE, IOWA

Dynamite Ditches
SAVE TIME—MONEY—WORK
Drainage ditches and tile outlets can be opened in a few minutes. Write for free information and prices.
BOWEN'S SUPERIOR EXPLOSIVES CO
P. O. Box 25 Mason City, Iowa

TRACTOR PARTS Guaranteed New, Used Tractor Parts for most makes. Catalog FREE. Write RELIABLE TRACTOR PARTS CO. Hastings 26, Nebraska, or Box 777, Sioux City, Iowa



Iowa Southern Association
6th Annual

ABERDEEN ANGUS SALE

Harken Farms Sale Pavilion, ¼ mile east of Osceola, Highway 34

Osceola, Iowa Tues., April 26, 1949

40 BULLS 86 LOTS 46 FEMALES

Carefully Selected from Twenty-six Purebred Herds

The bulls will suit the needs of the most critical purebred breeder, the rancher and the commercial cattlemen. Most of them are ready for heavy service, with pedigrees and quality to add value to your herd. We are offering a greater selection of herd bull prospects than has ever gone through any of our previous sales. The females consist of open and bred heifers, and young cows with calves by side, offering ample opportunity to start a new herd or make valuable additions. Many individuals that should prove most acceptable in 4-H Club prospects. The families consist of Barbaras, Georginas, Miss Burgesses, Blackcaps, Prides, Elbas, Ericas, Blackbirds and other popular tribes.

CONSIGNORS

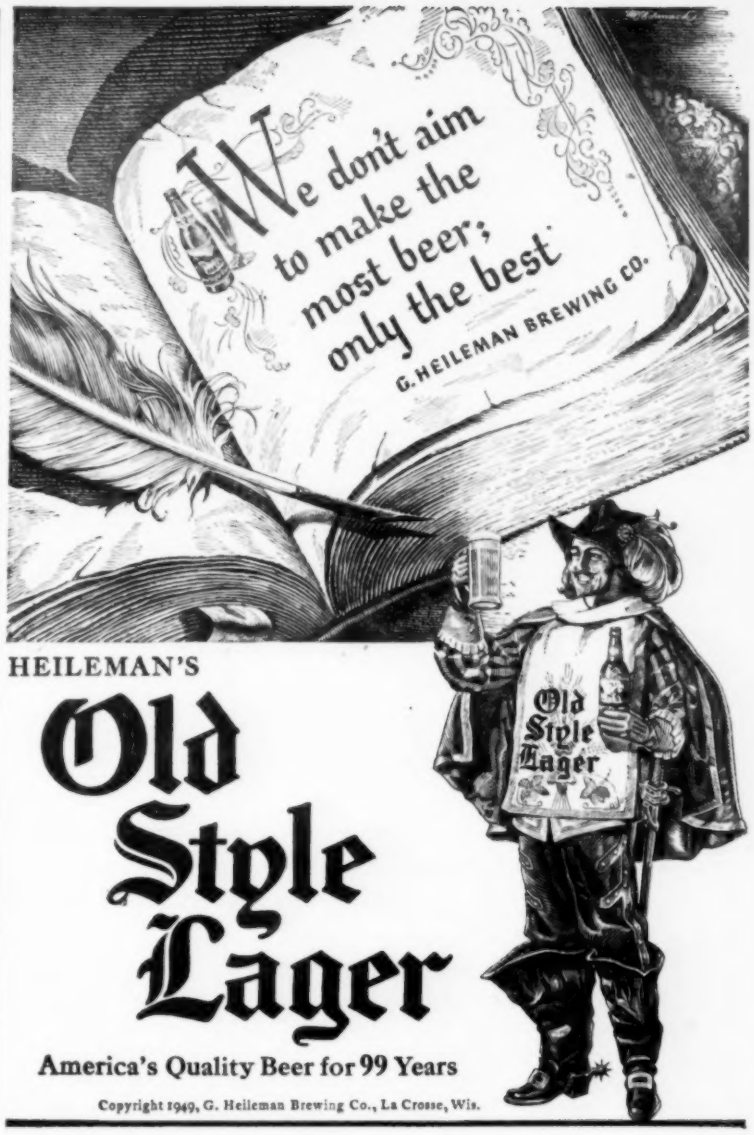
Otto Akers & Son ..... Decatur
Baker & Ward ..... Leon
Bell & Sons ..... Osceola
C. C. Caldwell & Son ..... Humeston
Lester W. Cope ..... Leon
Creveling & Son ..... New Virginia
Wayne Crittenden ..... Afton
Albert Davison ..... Humeston
Colan Green ..... Promise City
E. Floyd Grimm ..... Grand River
Hoover & Drake ..... Ellston
Hoover & Grese ..... Shannon City
Harken Farms ..... Osceola
L. Hullinger & Sons ..... Pleasanton
Ben Ivins ..... Corydon
H. R. Lazear ..... Chariton
Hollie R. Lewis ..... Cambria
Tom Lockridge ..... Russell
Arcel J. Luce ..... Osceola
J. K. Marshon ..... Creston
C. J. Riggle ..... Osceola
Neil O. Smith ..... Leon
C. H. Thompson ..... Hatfield, Mo.
W. Vorhies & Sons ..... Shannon City
W. F. Veris ..... Osceola
Floyd & Helen Wheeler & Son ..... Leon

QUALITY BETTER THAN EVER BEFORE

Breeders in increasing numbers are recognizing southern Iowa as the home of good Aberdeen-Angus cattle. Write at once for **FREE** catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

Richard Bell Secretary, Osceola, Iowa

Auctioneer, Roy G. Johnston M. T. White, Fieldman



HEILEMAN'S

Old Style Lager

America's Quality Beer for 99 Years

Copyright 1949, G. Heileman Brewing Co., La Crosse, Wis.

PAGE COUNTY ABERDEEN ANGUS
BREEDERS ASSOCIATION SALE

Our Ninth Annual Sale Offering

April 27, 1949
Clarinda, Iowa

20 BULLS
51 FEMALES

For Bone — For Scale — For Beef — Buy Page County Angus

Do you need good females and herd bull prospects for your herd? Come to the Page County Aberdeen Angus Breeders Association sale and inspect this outstanding offering. Eleven consignors are contributing their best cattle to make this sale one of the best yet. The bull offering consists of practically all serviceable aged bulls. They are all well grown and ready for service this spring. Here is your opportunity to buy serviceable herd bulls and good range bulls. The female offering is made up of open and bred heifers and a few cows with calves at side. These females are good foundation Angus backed up with dependable breeding. This offering represents some of the most popular blood lines and families of the breed.

You Stand to Profit from Page County Angus

CONSIGNORS

A. B. Herzberg, Clarinda
A. L. Horel & Son, Blanchard
Paul Miner, Essex
E. L. Osburn & Son, Bedford
Maryrest Farms, Maloy
Alvin Sunderman, Clarinda
O. H. Steeve & Sons, Clarinda
R. J. Teachout & Sons, Shenandoah
Lawrence Varley, Shenandoah
Lloyd Whitmore, Coin
Pagemere Angus Farms, Clarinda

You not only will find individuals of considerable merit individually, but you will find the breeding of several of the bulls and females to be among the most sought after of any in the Aberdeen-Angus breed. The members of the Page County Aberdeen-Angus Breeders Association have gone all out in the past few years in securing outstanding herd sires. Our 1949 offering is assembling more in the production and breeding of some of these outstanding sires than we have ever been able to do before. Write for our FREE catalog at once and kindly mention Wallaces' Farmer and Iowa Homestead. Address

PAGE COUNTY ABERDEEN ANGUS BREEDERS ASSOCIATION

Lawrence Varley, Sale Mgr., Shenandoah, Iowa Neil E. Johnston, Secy., Clarinda, Iowa
Auctioneers, Johnston & Sims M. T. White, Fieldman

Our Second Annual Production Sale

Aberdeen-Angus Cattle!

72 Head
26 Bulls
46 Females

Maryville, Mo., May 9, 1949

From the well known herds of

Dr. Frank Rose, Albany, Mo., and M. L. McCrea, Mayesville, Mo.

It is with pardonable pride that we say our offering is regarded by those who have seen the cattle as among the best that will be sold in the state of Missouri this year. In point of individual excellence and breeding it meets the wants of the most exacting buyers of the best in Angus cattle. There will be 26 bulls in the sale and among these are some mighty good herd bull propositions. Dr. Rose is selling eight very choice bulls, and among these is a young bull that is one of the best that has been listed for any sale this year. He is also selling a good son of Revolution 15th, another by Sunbeam 2585b, one by Prince Sunbeam 255d, he by Sunbeam 1moia, the sire of the last International champion; also a grand lot of cows and some outstanding heifers, among which are Miss Burgesses. Many of these heifers are bred and one-half of the cows are selling with calves at foot. He is also selling his herd bull, V M Jannera in this sale, he an excellent breeding bull for some man that is looking for a tried sire.

M. L. McCrea is selling 11 good cows, and some of these are outstanding. The remainder are bred and open heifers. He is selling some very choice Miss Burgess heifers, some good Barbaras, Janneras and Trojan Ericas. He offers one of his good herd bulls and 18 good, rugged, well bred young bulls, and here will be a good place for somebody to buy bulls. Worth the money. Quite a number of his cows will sell with calves at foot.

Both of these breeders are selling as good as they have in their herds, and theirs is one of the best offerings that will sell this spring. Write either Dr. Frank Rose, Albany, Mo., or M. L. McCrea, Mayesville, Mo., for catalog of their sale and kindly mention Wallaces' Farmer and Iowa Homestead when asking for it.

Dr. Frank Rose, Albany, Mo., or M. L. McCrea, Mayesville, Mo.

Cols. Johnston and Sims, Auctioneers M. T. White, Fieldman

Advertisement

From where I sit ... *by* Joe Marsh

Duke Gets His Tractor

Duke Thomas bought a farm with the money he'd saved in the Service, but he couldn't get a tractor. He needed it badly, but was tenth on the local dealer's list.

"Tell you what," old man Peters says. "If those nine fellows ahead of you agree, you'll get the next one I get in." "No, thanks," says Duke, "I'll take my turn."

But old Peters mails out nine postcards. And the other day he tells Duke his tractor will be in next week. "I simply wrote the facts to the fellows ahead of you. They decided it."

From where I sit, it's that kind of spirit and understanding that helps make our democracy so great. Understanding for the other fellow's problems and respect for the other fellow's rights—whether it's his right to earn a living, his right to cast his vote against your candidate, or even his right to enjoy a moderate, friendly glass of beer or ale—if and when he chooses. Let's always keep it that way!

Joe Marsh

Copyright, 1949, United States Brewers Foundation

4th ANNUAL SPRING

Midiowa Hereford Ass'n!

SHOW 8:30 A. M. — **SALE 12:00 Noon**

In Comfortable Marshalltown Livestock Auction Pavilion

Marshalltown, Iowa, Monday, April 25th

111 HEAD — 73 GOOD BULLS, 38 CHOICE FEMALES

The following Hereford Breeders in this District where Top quality Hereford cattle are produced will present the best offering they have ever sold, consigned from 35 good, reliable breeders. The large number of bulls afford a wide selection, some extra choice herd bull prospects, bulls for the range or farmer . . . a bull for most any demand. A few excellent bull calves and 4-H heifers, attractive open heifers, some cows with calves at foot and others well forward in calf. The consignors are:

	Number		Number
Lohr Beeson, Marshalltown	4	E. M. Meyer & Son, Belle Plaine	5
Blackwood Farms, Newton	3	Clampitt Farms, Eldora	4
Cox & McCoy, Union	1	Joe W. Fitzgerald, Melbourne	3
Louis H. Ford, Malcolm	3	H. G. Haley, Walker	2
Hawkeye Farms, Kellogg	6	Delmar Heishman, Brooklyn	4
The Homelands, Clemons	3	Geo. W. Keen, Marshalltown	2
Henry Klaas & Sons, Marshalltown	5	L. F. Koep & Son, Belle Plaine	3
C. R. Korte, Newton	2	Kozik Bros., Elberon	3
Leonards Herefords, Mingo	1	A. J. Minish & Sons, Dysart	6
F. R. Mitchell, New Providence	5	Virgil A. Paul, Gilman	1
L. K. Peterson & Son, Liscomb	4	V. Foster Reynolds, Newton	3
Rylander & Sloat, Gilman	1	Charles H. Selle, Grinnell	4
Oscar Sevig, Wallford	3	Howard Soerholtz & Son, Melbourne	2
John Siehl & Son, Grinnell	6	C. H. Siek & Son, Blairstown	5
Steiert Bros., Toledo	2	Iver Veren, Albion	3
Glee D. Wagner, Hampton	1	L. R. Weatherly & Sons, Union	5
H. J. Woody, Reasnor	3	Harlow Witt & Son, Melbourne	2
C. C. & R. H. Yeres, Tama	1		

The blood lines represented are WHR. HAZLETT, MISCHIEF STANWAY, BATTLE MISCHIEF, REAL SILVER, BARON DOMINOS, WHR MONOGRAM, WHR HERITAGE, TRIUMPH-TRIUMPH, CARLOS ROYAL, WHR TRIUMPH DOMINO 13th, U. S. MISCHIEFS, and REAL BRUCE DK's. Nothing finer in breeding. The quality will please.

"BUY SAME BREEDING THAT PRODUCED 4 of the 8 CHAMPIONS at 1949 IOWA HEREFORD ASSOCIATION SHOW AND SALE."

Plan now to attend. Ask for FREE catalog. Kindly mention this publication. Address

MRS. HAROLD J. PETERSON, Secretary, LISCOMB, IOWA

Maurice W. Boney, Fieldman

12TH ANNUAL SPRING SALE

Marion County ANGUS BREEDERS

To be held in comfortable new Bingley sale pavilion

KNOXVILLE, IOWA, MONDAY, APRIL 25TH

80 HEAD—30 TOP BULLS, 50 EXCELLENT FEMALES

One of the strongholds for Aberdeen-Angus cattle in America. This grand offering has been selected with care from 23 leading herds . . . the kind of females that will produce calves that will rate with the best. The bulls are truly herd-heading prospects. Some outstanding bulls—most all ready for service. A bull for most every need. The females include 16 cows with big, lusty calves, 36 richly-bred females mated to great herd sires and 14 most attractive open heifers. The offering sired by some of the greatest sires . . . females mated to top herd bulls. Most popular families are represented. A class of cattle that will work breed improvement. All **T.B.** and **Bangs** tested. Ask now for **FREE** illustrated catalog, mentioning this publication. Address

Auctioneer, Roy Johnston — **HERBERT CLINE, Secy., BUSSEY, IOWA** — J. E. Halsey, Fieldman

Livestock News

The sixth annual Sioux Empire Shorthorn show and sale, at Sioux Falls, S. D., March 29, drew a record-breaking attendance. Eighty-eight boys gathered for the judging contest, which was held during the morning. Bertus Rave, Trent, S. D., won first place by turning in a perfect score. The pre-sale show was judged by Harry Ackerman, Wilson, Ill. For his champion bull he selected an extremely good-headed, thick, low-set bull which proved very popular with all attending the show and sale. This outstanding roan coming two-year-old, sired by Weston Trademark, by Newellyn Ringleader, was consigned by the veteran breeder, Fred Lee, Briton, S. D. After much spirited bidding, which saw four contending bidders battling it out well past the $2,000 mark, this champion sold for $2,475, going to the good herd of Dewar Bros., Cherokee, Iowa. The reserve champion bull, a red yearling by Prince William, and consigned by Ben G. Studer, Wesley, Iowa, went to Frank Adams & Son, Hartley, Iowa, for $725. The 14-month-old grandson of O A C Ransom 23d, consigned by Held Bros., Hinton, Iowa, sold for $1,000 to F. C. Newlin & Sons, Armstrong, Iowa. Another Held entry, a red coming two-year-old sired by Marellbar Ian, brought $1,000, going to Bernard Megard, Sherman, S. D. The red coming two-year-old son of Millhills Starry Archer, consigned by Carl L. Retzlaff & Sons, Walton, Neb., went to Louie Telkamp, Brookings, S. D., on a bid of $875. The champion female, a red heifer sired by Prince William, consigned by Studer, sold to Milligate Farm, Wadsworth, Ill., for $825. Millgate Farm also purchased the reserve champion female, a red heifer by Millhills Starry Archer, consigned by Retzlaff, for $800. The top price on females was reached on the Clausen Bros., Spencer, Iowa, heifer by Goldfinder's Royal, bred to Claymore Prince Control. Gus Anderson, Hartley, Iowa, paid $840 for this good, red coming two-year-old. The 28 bulls sold for an average of $562, with the 29 females averaging $377, making a general average of $466 on the 57 lots. Al Halverson, Sioux Falls, S. D., managed the sale, which saw a large number selling to Iowa buyers.

Otto G. Nobis and son Dick, owners of the well-known Wilton Farms,—one of the great herds of the Angus breed—held their sale at Davenport, Iowa, on March 21. Cattle men were present from California, Texas, Connecticut, South Carolina and many other states, as well as Canada. This indicates the high esteem in which the Nobis family stands with the Angus fraternity. Bandolier 101st of Wilton, a son of Evader's Quality Bandolier, out of Black Beauty of Don Head, started the sale, going to Kentridge Farm, Muscatine, Iowa, at $4,500. Bandolier 223d of Wilton, a son of Bandolier 44th of Wilton, out of the famous show and breeding cow, Blackcap Bessie 23d of Page, undefeated wherever shown and producer of several champions, sold for $16,000 to F. B. Davis, Jr., owner of Brays Island Plantation, Yemassee, S. C. Bandolier 130th of Wilton, by the same sire and out of Blackcap Bess 7th of Ada, was second top bull, selling at $7,000 to Harold Reif, Bonniecroft Farms, Renfrew, Pa. Bandolier 144th of Wilton sold for $4,200 to Dillenbeck & Son, Geneseo, Ill., and Lymann Kemmis & Sons, of Prophetstown, Ill. Bandolier 115th of Wilton brought $3,500, and was purchased by C. T. Wambold, Winterset, Iowa. The top female was Blackcap Bessie 9th of Wilton, a daughter of Bandolier 44th of Wilton, out of Blackcap Bessie of Page, and sold mated to Bandolier 123d of Wilton. She was selected by Hideaway Farms, Chester, N. J., at $5,500. Blackcap Bessie 7th of Wilton was second top female, selling at $4,500 to J. L. Hankins, Uniontown, Pa. The 13 bulls averaged $3,586, with 55 females at $1,221, and the 68 lots sold for $113,785, a general average of $1,673. Thirty-three head sold for $1,000 or over. The offering was distributed as follows: Iowa 20, Wisconsin 4, Illinois 10, Oklahoma 9, Missouri 6, New Jersey 5, Connecticut 4, Ohio 2, Pennsylvania 2, New York 1, South Carolina 1, Texas 1, Nebraska 1 and California 1. Auctioneers, Roy Johnston, Ray Sims and Paul Good.

The Iowa Hereford Cattle Breeders Association held their spring sale at Sioux City, Iowa, March 22. A good crowd was on hand to partake of this good offering. Cap Thiesen, Osmond, Neb., paid, $935 and $840 for the two coming two-year-olds sired by Battle Intense 8th, consigned by E. O. Johnson & Son, Milford, Iowa. The three-year-old Royal Stanway, by Royal H. Domino 9th, consigned by Melvin Jensen, Everly, Iowa, sold for $710 to John Nilles, Ashton, Iowa. The 30 bulls sold for an average of $400, with the four females averaging $230. The cattle sold to buyers from Iowa, Nebraska, South Dakota and Minnesota.

Phillip Funke Passes

Phillip Funke, Greenfield, Iowa, died Tuesday, March 29, from a heart attack. He was born in 1881, in Adair county, and had lived in that county all his life. He was a prominent breeder of high-class Shorthorn cattle and owned a good herd. His passing will be felt by his many friends and members of the livestock fraternity.

Helps Save Milk and Grow Beautiful Calves!

Order from your milk hauler or feed dealer today.

KAFF-A

CONSOLIDATED PRODUCTS CO. • DANVILLE, ILL.

CONSIGNING 2 HERD BULL PROSPECTS TO

MID-IOWA HEREFORD SALE

MARSHALLTOWN, IOWA

APRIL 25, 1949

An outstanding 2-year-old by REAL DOMINO 71st. Dam by INTENSE DOMINO. Other September, 1947, by ROYAL RUPERT 70th out of Domino Mischief Dam. A pair of real herd bull prospects, breeding and quality that will assure their future breeding ability. Plan to attend sale. Inspect these two bulls.

JOE W. FITZGERALD
Melbourne, Iowa

6TH ANNUAL

IOWA GUERNSEY SALE

State Fair Grounds

DES MOINES, IOWA

APRIL 29, 1949

Starting at 12:00 Noon

58 HEAD
18 COWS — 22 BRED HEIFERS
16 OPEN HEIFERS — 2 BULLS

Outstanding breeding, choice young cows and heifers fresh or near freshening. Attractive open heifers. 2 excellent bulls. Best in blood lines, type quality and merit. Selected from top herds. Plan to attend. Ask now for FREE catalog. Please mention this publication. Address

C. H. JENNINGS, R. 4, IOWA CITY, IOWA
Iowa Guernsey Breeders Assn., Inc.

FREE. Dinner at fair grounds, evening before sale. Headquarters—Hotel Kirkwood. C. B. Finley, Pedigrees.

Auctioneers, Seitz, Halsey and Swartzendruber

3RD ANNUAL SALE

Angus Cattle!

In Sale Pavilion

INDIANOLA, IOWA, APR. 19

28 BULLS — 40 FEMALES

A choice consignment from Warren County Breeders, most all bulls ready for service, good bulls that will please. The females include cows with calves, bred cows and heifers and open heifers. Rich in breeding. Plan to attend. For catalog address

EARL F. LOHR, Secretary
EARLHAM, IOWA

LAST CALL FOR THE BIG SALE

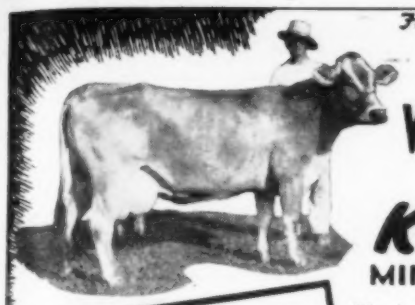
Registered Milking Shorthorns

in Kelson's Pavilion on the So. Omaha Bridge road, south edge of

COUNCIL BLUFFS, IOWA
WEDNESDAY, APRIL 27

There is a very high percent of Record of Merit breeding in this big offering of bulls and 80 females. There are many outstanding selections for strengthening purebred herds, the very best in bulls for grading up high grade farm herds. Such outstanding bulls and large numbers have never before been offered at one time in the Milking Shorthorn breed. Every animal, including baby calves, will be registered and transferred free to the buyers. The sale will start promptly at 12:00 noon on the 22nd. Come early and bring a neighbor. Write for catalog to

H. C. McKELVIE, Sale Mgr.
108 So. 6th St. Council Bluffs, Iowa



Fanny May of Joan 118388

BREAKS WORLD RECORD WHEN FED KIDMAN'S MINERALIZED YEAST

Frank F. Ochsner's Brown Swiss Sets New Production Mark

"My Registered Brown Swiss cow, Fanny May of Joan 118388, has recently completed a world record for production in the Brown Swiss breed. In 305 days, as a senior 3-year-old on twice a day milking, she produced 18,094 pounds of milk and 666.41 pounds of butterfat, to beat the old record by 78 pounds of fat.

"This cow was fed a liberal supply of Kidman's Mineralized Yeast Culture during most of her lactation period. I have been feeding my herd of Registered Brown Swiss this mineralized Yeast for over six months with very satisfactory results. I believe it increases the appetite, and therefore increases production."

Frank F. Ochsner, Dakota, Ill.

We don't particularly feature champions—we believe **Kidman's Standard Stock Powder** and **Kidman's Mineralized Yeast** do their best job increasing weight and yield in average farm herds. BUT champion animals naturally achieve greatness when they, too, are fed these time-tested products. "Standard Over 50 Years." They are good for champions—good for your animals, CATTLE, HOGS, SHEEP and POULTRY. **Sales Representatives Wanted.**

STANDARD STOCK POWDER COMPANY
DEPT. W-5 DES MOINES, IOWA

HEREFORDS HELP PAY THE WAY TO EDUCATION

The above scene is typical of life on a good livestock farm. It was photographed in 1934. Today, J. D., through college, is a successful Hereford breeder. Ethel Mae, Lois and Willard, although still in school, own registered Herefords which are helping pay for their education.

Preparation for Tomorrow Through Herefords

Raising a good Hereford calf encourages growth, mental development, and worthwhile interest in your boy or girl. Youngsters in 4-H and FFA activities learn through Herefords the worth of productive and competitive effort and of the greater financial reward for unusual achievement. They learn of the earning power of livestock constructively bred for a specific purpose and of the part development plays in the end result. There is no better preparation for tomorrow.

Many of the Nation's Best Herds Grew From a Modest Start.

BETTER BEEF QUICKER AT LOWER COST

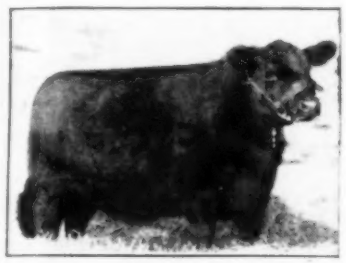
HEREFORDS

THE BEEF BREED SUPREME

AMERICAN HEREFORD ASSOCIATION
Dept. AA-4 300 W. 11th St., Kansas City 6, Mo.

Please send FREE, Illustrated Booklet: "Herefords, The Beef Breed Supreme."

Name.....
R.F.D. or Street No.....
City..... State.....



BLACKCAP OF MARYCREST B. 7TH by Eileenmere of Marycrest.

MARYCREST PRODUCTION SALE!

Sale at Farm
MALOY, IOWA
THURSDAY, APRIL 28th

10 TOP BULLS

40 WONDERFUL FEMALES

A truly production sale from a great herd. 19 excellent bred heifers. 3 grand cows. 18 attractive open heifers. 19 top young bulls. 6 daughters of **EILEENMERE OF MARYCREST** sell open. 4 daughters of **EILEENMERE 487th**, the $30,000 sire. 3 are bred to **HOMEPLACE EILEENMERE 26th**, top bull in 1948 Penney & James sale. The other 487th daughter sell open. An attractive daughter of **Eileenmere 500th**, International grand champion. 2 daughters of **Prince Eric of Sunbeam**. One Maid of Rummers Miss Burgess and a Ballindalloch Georgina heifer safe in calf to **Homeplace Eileenmere 26th**. 10 top young bulls, a few ready for service, others ready later by Eileenmere of Marycrest, Prince Sunbeam 46th, Bar Prince 6th of Sunbeam, Elmore F. 4th and General 11th of Louise. Breeding and quality unsurpassed. Plan to come. Ask for the **FREE** illustrated catalog. Kindly mention this publication.

JOHN D. & MARY C. WARIN, MALOY, IOWA
MARY CREST FARMS

Auctioneers, Johnston and Sims — M. T. White, Fieldman

6TH ANNUAL SOUTHEAST

IOWA ANGUS BREEDERS!

SHOW—9:30 A. M. SALE—12:30 P. M.

MT. PLEASANT, IOWA
FRIDAY, APRIL 22ND
75 HEAD — 35 BULLS, 40 FEMALES

A select offering from the leading herds in this District. The breeders have included top quality cattle, rich in pedigree. Sires represented include **EARL MARSHALL, EILEENMERE, ROSEMERE, SUNBEAM, BELL BOY,** and **BURGESS,** and the families are **McHENRY BARBARA, McHENRY BLACKCAPS, BLACKBIRDS, ELBAS, QUEEN MOTHER, MISS BURGESS, PRIDES** and others. Nothing finer.

Bulls ready for immediate service, herd-heading prospects. Females include cows with calves by great herd sires, bred cows and heifers and open heifers. This is an event you will want to attend. Good well-bred cattle, of the type and quality that will please. Plan to attend. Ask now for **FREE** catalog. Please mention this publication. Address

EARL FICKEL, Secretary, BATAVIA, IOWA

Auctioneer, Ray Sims — J. E. Halsey, Fieldman

Northwest Milking Shorthorn!

HEIFER CLASSIC SALE

STATE FAIR GROUNDS
ST. PAUL, MINN., MAY 7, 1949
Starts at 1:00 P. M.

Choice bred and open heifers consigned by leading breeders from Wisconsin, Minnesota and North Dakota. Good breeding and quality. Come. Ask for **FREE** catalog. Kindly mention this publication. Address

EMIL BJORKMAN, Mgr., FARGO, NORTH DAKOTA

Auctioneer, B. Allen and W. Kruse — Sale Headquarters, Hotel Lowry, St. Paul

SKOW'S STOCK FARM

HAMPSHIRE HOGS — **HEREFORD CATTLE**

Quality Livestock at Modest Prices

BRED GILTS A choice lot of gilts bred for late April, May, and June farrow. Litter mates to the 150 boars we sold last fall. Bred to top sons of the $1,000 New Flash. We can supply you with one or a truck load. A grand selection.

FALL BOARS Great rugged fall boars by Sir Compress King, Golden Roller, and Bright Flier. Some outstanding boars in the lot that should be seen before you buy. Let us fill your boar needs.

HEREFORD BULLS (horned) Choice bulls by Rupert Elect A, close up bull by the $15,000 out of Clarton Domino cows. Mostly 8 to 12 months old with one good long yearling. Type and quality that will please. Drive in and let us show you our stock. Visitors always welcome.

JOSEPH A. SKOW, WESLEY, IOWA

WHITE BUSH HEREFORD FARMS

DISPERSION SALE

In Reno Sale Pavilion

BLOOMFIELD, IOWA
WEDNESDAY, APRIL 27th

45 HEAD — CHOICE BREEDING CATTLE

We are selling our entire herd including the herd bull, **SUPER BLANCHARD V. M.,** a 3-year-old by Super Blanchard 2d and out of a Battle Mischief 7th Dam. All of the young cattle and calves are by him, which will be evidence of his worth as a sire. Females of breeding age will carry his service. The females are by **ROYAL RUPERT K., SUPER ANXIETY, BATTLE MISCHIEF** and **SUPER BLANCHARD 2d.** Breeding unsurpassed, the type and quality will please. A few cows with big, lusty calves, others forward in calf and 7 most attractive open heifers, some of show-yard caliber. The calves are vaccinated for Blackleg and Hemorrhagic. All cattle **T.B.** and **BANGS tested.** Plan to attend. Ask for **FREE** catalog. Please mention this publication.

O. B. MILLER & SONS, BLOOMFIELD, IOWA

Auctioneer, Guy Pettit — M. W. Boney, Fieldman

SHOW and Everyday Equipment for Cattle Sell.

Polled SHORTHORNS
World Wide Demand

NATIONAL CONGRESS SHOW AND SALE, MAY 2-3

Indianapolis, Indiana
Indiana State Fair Grounds

38 BULLS—practically all ready for immediate service

68 FEMALES—bred and open heifers—modern type—popular ancestry

The pattern for Polled Shorthorns capable of efficient and profitable beef production, or for herd foundations, or prize winning show animals, is set each year at the National Polled Shorthorn Congress. All consignments to this event will be important foundations in any commercial breeding program. COME AND PROVE IT TO YOURSELF.

Make hotel reservations direct to the Lincoln Hotel, headquarters.

WRITE FOR CATALOG and ask about our FREE FREIGHT OFFER

POLLED SHORTHORN SOCIETY
Dept. WF U. S. Yards Chicago 9, Ill.

AUCTIONEERS

AUCTIONEER
Successful sales for leading breeders, lifetime experience with livestock. Apply early, as I am busy during the season. Rates reasonable. Telephones, Residence 7-3645; Business 3-6181.
J. E. Halsey, Box 1317, Des Moines, Ia.

LEARN AUCTIONEERING
America's leading Auctioneers teach you. Students sell actual sales during term. Our graduates are successful. Earn large income. Term soon. FREE catalog.
REISCH AUCTION SCHOOL Mason City, Iowa

BE AN AUCTIONEER
A pleasant, profitable occupation. Send for FREE catalog. Also how to receive Home Study Course.
Fred Reppert School of Auctioneering
Box 8, Decatur, Indiana

Learn the AUCTION BUSINESS
SEND FOR OUR NEW CATALOG
BOCKELMAN AUCTION SCHOOL
1218 FOURTH STREET, SIOUX CITY, IOWA

REAL BREEDING
Informed, efficient selling and higher prices. G. F. Sargent Intern'l Auctioneer. Effectual instruction, branches, sell sales & developments. Sargent's Intern'l Auction School & College. Write Write 120 W. 3rd, Sioux City, Iowa.

ABERDEEN ANGUS

MINNESOTA
ANGUS ASSOCIATION SALE
LUVERNE, MINN., APRIL 28th
55 Registered Bulls and Females, rich in breeding. Good type and quality. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address
C. C. CHASE
Box 669 Pipestone, Minn.

ANGUS CATTLE
Choice bulls up to 22 months of age. Mostly sired by Revolution B.A.S. 4th, a winner at Iowa State Show and Sale. Also a few females. Come or write.
AUSTIN & GARRELLS DUMONT, IOWA

HEREFORDS

ANNUAL SALE
JUNE 1st
50 registered 2 year-old bulls. **50** bred females. Bred lines: **HAZLETT, BEAU ASTER, REAL PRINCE DOMINO,** and **BATTLE MISCHIEF.** Recognized as leaders in Hereford industry. Ask for **FREE** catalog.
BONES STOCK FARM, INC.
Parker, South Dakota

CHOICE
HEREFORD HEIFERS
15 great granddaughters of Battle Mischief 7th. Very choice. Bred.
DAN MEYER & SONS
Ft. Atkinson, Iowa

CHOICE HEREFORDS
Group of registered heifers, 1 to 2 years old, **MISCHIEF STANWAY** blood lines, excellent type and quality, also herd bull **MISCHIEF STANWAY** bred bull 5 years old, see his get. Priced right.
HAROLD L. ASMUS AUDUBON, IOWA

HEREFORD BULL
Choice five-year-old **AMERICAN DOMINO 42d** by **ORION TRUE MOLD.** A good individual, extra deep body. Priced right.
DWANE J. SHALLA RIVERSIDE, IOWA

HEREFORD BULLS
12 choice registered bulls from **12** to **18** months old by **WHR TRIUMPH DOMINO 79th.** Good quality, priced reasonable. Visit farm or write.
CHARLES AMOS, R. 1, INDIANOLA, IOWA

SHORTHORNS

SHORTHORN HERD BULL
Our proven sire, **CURTISS CANDY MERCURY 2d,** top son of 1945 Denver Grand Champion, Edelhyn Peerless Mercury. A grand opportunity to purchase a herd improving bull that has sired a number of top individuals and high selling cattle at several leading shows and sales. We are retaining his daughters in our herd. Priced to sell. Write or visit.
George Fanning Gilmore City, Iowa

Shorthorn Bulls-Females
Choice cows with calves, good bred heifers, mated to son en Rampton Manor (Imp.). Two bulls ready for service, choice Scotch breeding. Reasonable.
C. E. FAULKES MITCHELLVILLE, IOWA

POLLED SHORTHORNS

POLLED SHORTHORN BULLS
Choice quality, rich breeding. Reasonable. Phone, wire, or write
BERT A. HANSON
VERNON CENTER MINNESOTA

Polled SHORTHORN BULLS
Choice reds and roans sired by **VICTOR CREED** X2343041. Good Scotch topped Dams. REASONABLE.
A. L. DUNHAM & SON DUNLAP, IOWA

DAIRY CATTLE

LIVESTOCK FOR SALE
Swine
Cross-line Poland China Boars
Dairy Bulls
Ayrshire, Brown Swiss, Guernsey, Holstein and **Jersey** breeds. Bulls from 2 to 8 months of age.
ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

GUERNSEY, HOLSTEIN, JERSEY and **SHORTHORN** heifer. Full Blood and High Grade, 1 to 3 weeks old, $32.50. These are large type, well marked, fancy bred calves with production backgrounds. Week old Holstein, Guernsey bulls $25.00. Shorthorn bulls $20.00. Grade Hereford heifers and bulls, one week, $35.00. Will express **C.O.D.** subject to approval.
MIDWEST CATTLE CO., Box 15, KANSAS CITY, MO.

GUERNSEY AND HOLSTEIN HEIFER CALVES
Good, strong, carefully selected Guernsey or Holstein heifer calves, purebred, not registered, $45 on express car, older calves $50. 10 to 35 delivered by truck to your farm on approval. Also a few Brown Swiss calves.
H. R. LOBRELL MUKWONAGO, WIS.

WISCONSIN
HOLSTEIN AND GUERNSEY
Bred and open heifers. Also a few calves. Delivered on approval. Phone Eagle, Wisconsin 778.
JAMES E. WELCH MUKWONAGO, WIS.

GUERNSEYS

GUERNSEY HERD
Due to my health am offering for sale entire herd of **54** registered Guernseys, to be sold in one unit. 22 milk cows, 7 spring heifers, 7 heifers breeding age, 3 heifers 8 to 10 months, 7 heifer calves, 7 bull calves 4 to 6 months old and 1 herd sire. Herd headed by following sires: **HOLY FARM CORPORAL** 251941 by Langwater Gaseon 3 nearest Dams Ave. 708 lbs. fat, **GREEN MEADE NORTHERN KING** 254996, by Langwater King of the Meads 3 nearest Dams Ave. 681.9 lbs. fat, **GREEN MEADS COUNTY VALIANT** 288160, by Langwater County Squire, 3 nearest Dams Ave. 655.8 lbs. fat, **MEADOW LODGE CLIMAX GOVERNOR** 350423 double grandson of Bourndale Rex, 3 nearest Dams Ave. 763.5 lbs. fat. Above sires all were sold or leased to Artificial Breeding Associations. Entire herd at present time bred to **LYRENE KING'S WARRIOR** 419888, whose 7 nearest Dams Ave. 605.9 lbs. fat, mostly on 2X milking. Entire herd has been calfhood vaccinated for Bangs. T.B. and Mastitis free. 12 years of breeding and C.T.A. work. For further information and price write NOW.
VICTOR E. GEISTFELD, Mellor Farm
Route 1 Lewisville, Minnesota

GUERNSEY BULLS
Choice purebred, serviceable age by son of **AGILLA BEACON,** 1947 National grand champion for 12 year average with 418 lbs. fat. Reasonable.
ART GRANZOW ALDEN, IOWA

HOLSTEINS

WISCONSIN HOLSTEINS
Heifer calves, about month old. Top quality Holsteins or Guernseys, 4 for $165.00 delivered. Also older calves. All charges prepaid. Will ship C.O.D. under from this ad. Satisfaction guaranteed.
CHANDLER FARM LAKE GENEVA, WIS.

HOLSTEIN BULLS
Governor of Carnation and Posh breeding, serviceable age. You will like them.
SHOMONT FARM MONTICELLO, IOWA

PUREBRED
HOLSTEIN BULL
23 months old. Used in our own herd. Sire: Southlawn Eden Prince. Dam: Southlawn Ann, has 872 lb. butterfat record. Rugged and well grown.
E. T. GARTON & SON MARATHON, IOWA

JERSEYS

JERSEY BULLS
Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs
J. J. NEWLIN
Polk County Johnston, Iowa

GOLDEN SUNSET JERSEYS
A number of exceedingly choice young bulls and bull calves for sale now. Popular blood lines, type and production. FREE list.
ENNIS STOCK & DAIRY FARM, FESTUS, MO.

MILKING SHORTHORNS

MAKE MORE PROFITS UNDER AVERAGE FARM CONDITIONS —RAISE MILKING SHORTHORNS

For the average farmer, Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, $1.00; $2.00 per year; 3 years, $5.00. **AMERICAN MILKING SHORTHORN SOCIETY • Dept. WFS 4122 SOUTH UNION • CHICAGO 9, ILLINOIS**

Milking Shorthorn Bulls
2 Registered Red, grandsons of **Oldtown Regent,** ready for heavy service. One polled. 1 mile south, 4 miles west and 1 mile south of Kanawha.
DONALD PETERSON KANAWHA, IOWA

Buy U. S. Savings Bonds TODAY!

ASK FOR
BOLSON FEEDS
THEY ARE ALWAYS GOOD— SAVE YOU MONEY TOO!

MILKING SHORTHORNS

PEERLESS and BELLE VERNON HERD of MILKING SHORTHORNS
Bulls from **2** to **14** months old. Females from 2 months old to mature cows. Best of **BATES CLAY** . . . and **IMPORTED** English families with the highest milking ancestry possible to obtain. Also
WHITE COLLIE Puppies, guaranteed natural herders and drivers. Address
JOHN LOGSDON, Mgr. DECORAH, IOWA

MILKING SHORTHORNS
Choice bulls and females. Desirable quality. Ruth B blood lines. 21,641-957 lbs. Now using Auvergne Chief. 11 nearest dams 12,767-510 lbs. Reasonable. Write or visit.
NAAB BROS. LAWLER, IOWA

MILKING SHORTHORNS
Because of illness will sell bulls from 4 months to 2 years old, including herd sire. 16 first calf heifers and a few mature cows. Best of breeding; highest milk production. Priced to sell. Phone 7-F-2.
CLARENCE W. STEIL, R 2, MASON CITY, IA.

BERKSHIRES

FOREMOST FARM
Berkshire Hogs
Choice fall boars ready for service, also open gilts . . . no relation. Cholera immuned and registered, sired by 1947 Ohio State Grand Champion, **WAVERLY RAIDER 3rd,** and **FOREMOST MONOGRAM.** Also spring pigs either sex . . . 37 sows to farrow. Write Now.
A. E. BLAUM WAVERLY, IOWA

HAMPSHIRES

HAMPSHIRE BOARS-GILTS
Choice fall boars and gilts by **NEW BOUNCE,** first prize boar at State sale. The short-legged, heavy-hammed kind, priced to sell.
CLARENCE J. SUEPPEL SOLON, IOWA

STRUVE'S
HAMPSHIRE BOARS
Choice fall boars, big thick, rugged individuals, by **FAULTLESS WONDER,** top selling son of Faultless in 1947. Suitable for breeders and farmers.
ROY A. STRUVE MANNING, IOWA

HAMPSHIRES—CHESTERS—HEREFORDS
Registered pigs, weaning age, unrelated, pair $58.00. Sired by Champions. Also bred gilts and serviceable boars. 45 1st and Champions, three 1948 Western State Fairs. Satisfaction guaranteed. Write.
HENRY C. WIEMERS, R. 2, BOISE, IDAHO

DUROC JERSEYS

PUREBRED DUROC
FALL BOARS AND OPEN GILTS
by Mr. Blueprint. A uniformly good, sound, firm, fleshed herd with size and feeding quality. From good litters.
E. T. GARTON & SON MARATHON, IOWA

HEREFORD HOGS

HEREFORD HOGS
NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C.O.D. YOUR APPROVAL
FREE CIRCULAR
VALEHURST FARMS, PEORIA, ILL.

HYBRID HOGS

HYBRID BOARS
Bred like and perform like hybrid corn over 38 different lines available to generally fit your sow herd. Dealership and county distributorships available. Circular FREE.
WILSON HYBRIDS, INC. HARLAN, IOWA

MINNESOTA NO. 1 HOGS

MINNESOTA NO. 1
CHOICE FALL BOARS
Out of large litters and excellent type.
Phone 3375
RICHARD GOOS MALVERN, IOWA

POLAND CHINAS

HILL BROOK FARMS
POLAND CHINAS
September farrow boars, sired by Made Smooth 17993, with size, quality, and breeding second to none, these boars have been fed right, and are ready for service, priced to sell. Write or come and visit the farm.
OTTO F. SCHRUNK & SONS
Mapleton, Iowa

MINNESOTA NO. 2 HOGS

CHOICE
MINNESOTA NO. 1
Fall boars and gilts. Inspection invited. Two miles southeast Fairfax, Iowa.
WILLIAMS BROS. Phone FAIRFAX, IOWA

SPOTTED POLAND CHINAS

SPOTTED POLANDS
Choice fall boars, extra good quality, large for their age. Priced to sell.
F. L. JACKSON & SONS
Phone 12 on 10 LYTTON, IOWA

SPOTTED POLAND CHINA
FALL BOARS
VERY CHOICE BREEDING
2 miles northeast of Kellogg
A. J. ANDERSON & SON KELLOGG, IOWA

SPOTTED POLAND CHINAS
September and October boars weighing up to 300 lbs. Choice at $100 this month. Would consider selling **NATIONAL TOPIC** to anyone needing a herd boar. Probably his equal could not be found from coast to coast.
PETER WITT KEYSTONE, IOWA

EASTERN
Iowa Guernsey Sale!
Wellman, Iowa, April 20th
50 HEAD 5 serviceable bulls, including 1st prize **4-H** bull 1948 Iowa State Fair. 2 top bull calves. Good registered cows and heifers including **4-H** or **F.F.A.** calves. Several fresh high grade cows with **C.T.A.** records. All cattle **Bangs** tested or calfhood vaccinated. Ask now for **FREE** catalog. Please mention this publication. Address
P. M. SWARTZENDRUBER
Wellman, Iowa

TAMWORTHS

Purebred Tamworths
Qualified judges contacting leading Tamworth herds will buy registered breeding stock to your order. Commercial types a specialty. Selections guaranteed. Write for availabilities. A few Yorkshires also available.
Bacon Swine Exchange
Dwaine Clark, Mgr. Colfax, Iowa

YORKSHIRES

YORKSHIRE HOGS
Registered Breeding Stock of all ages for sale.
PORTERS YORKSHIRE FARM
ELDRIDGE, IOWA
8 miles north of Davenport

PRINCE EDWARD ISLAND
YORKSHIRES
Choice breeding stock for sale at all times. Write Now.
DR. W. J. HULS, 602 E. 15th, DAVENPORT, IA.

SHEEP

SUFFOLKS AND LINCOLNS
Choice bred ewes of either breed, sired by or bred to Champions. Write or wire. Shipped on approval.
CRANDELL'S PRIZE STOCK FARM
ITHACA, MICH.

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

GENUINE ENGLISH SHEPHERD PUPS
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET
ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

Purebred Border Collies English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR FALLS, IOWA

SHEPHERDS, COLLIES
ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

WANTED TO BUY
Good English Shepherd or Collie Pups
Write Box 1, Wallaces' Farmer and Iowa Homestead

Shomont Collies
Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

GENUINE ENGLISH SHEPHERD AND COLLIE PUPS
Guaranteed heel-drivers (no fooling!). Year's trial, training instructions. (50,000 satisfied customers.) Males — females — spayed females specialty. $15.00. (Distemper vaccinated.)
EMIL RUNFT REINBECK, IOWA

PUPS
2 Police and Shepherd Crossbred Pups
2 Small Rat Terrier Pups.
Females $12.00 — Males $15.00
ERWIN POPP WALNUT, IOWA

CHINCHILLAS

RAISE CHINCHILLAS
in your basement and increase your income. Write for free literature. $1,200 per pair.
DAVISON CHINCHILLA VILLA
705 28th Street Des Moines, Iowa

U. S. SAVINGS BONDS ARE SAFE

Coming Livestock Sales

ABERDEEN ANGUS

Apr. 19—Warren County Angus Breeders Assn. sale at Indianola, Iowa; Earl F. Lohr, Secy. and Mgr., Earlham, Iowa.
Apr. 22—Southeast Iowa Breeders, Mt. Pleasant, Iowa; Earl Fickel, Secy., Batavia, Iowa.
Apr. 23—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Apr. 25—Marion County Breeders, Knoxville, Iowa; Herbert Cline, Secy., Bussey, Iowa.
Apr. 26—Iowa Southern Angus Sale, at Osceola, Iowa; Richard Bell, Secy. and Mgr., Osceola, Ia.
Apr. 27—Page County Aberdeen Breeders Assn. Sale, at Clarinda, Iowa; Lawrence Varley, Mgr., Shenandoah, Iowa.
Apr. 28—Marycrest Farms, Maloy, Iowa.
Apr. 28—Minnesota Angus Assn., Luverne, Minn.; C. C. Chase, Secy., Box 669, Pipestone, Minn.
May 9—Dr. Frank Rose, Albany, Mo., or M. L. McCrea, Mayesville, Mo.
May 27—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
May 31—Tallcorn Breeders Assn., Marshalltown, Iowa; C. G. Mason, Secy., Box 243.
June 6—Glyn Mawr Farms (Dispersion), Olin, Iowa.
June 7—I. E. Kemp, Marion, Iowa.
June 8—Dispersion Sale, John Kimball, Kirkman, Iowa.
June 13—Wayland A. Hopley, Atlantic, Iowa.
June 14—South Central Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., Oskaloosa, Iowa.
June 15—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.

HEREFORDS

Apr. 15—Northeast Missouri Assn., Memphis, Mo.; Geo. E. Leslie, Jr., Secy.
Apr. 18—Northwest Missouri Breeders, Maryville, Mo.; Doyle Moore, Secy., Pickering, Mo.
Apr. 22—Circle A Hereford Farm, Morris, Ill.
Homer Graber, Secy., Mineral Point, Wis.
Apr. 25—Midiowa Hereford Assn., Liscomb, Iowa; Mrs. Harold J. Peterson, Secy., Liscomb, Iowa.
Apr. 27—Dispersion, O. B. Miller & Sons, Bloomfield, Iowa.
June 1—Bones Stock Farm, Parker, S. D.
June 6—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Mgr., R. 2, Creston, Iowa.

POLLED HEREFORDS

June 27—Dispersion, Marvin Ohrt, Garwin, Iowa; sale at Marshalltown, Iowa.

SHORTHORNS

Apr. 20—Marellbar Farms, Libertyville, Ill.
May 23—South Central Iowa Breeders, Knoxville, Iowa; Walter Brown, Mgr.
June 4—Minnesota State Sale, Blue Earth, Minn.; N. T. Findahl, Mgr., Waterville, Minn.
June 6—Edellyn Farm, Wilson, Ill.
June 17—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.

POLLED SHORTHORNS

Apr. 27—South Dakota State Assn. Sale, Sioux Falls, S. D.; Eric H. Thormodsgaard, Sale Mgr., Hudson, S. D.
May 2-3—National Congress Show and Sale, Indianapolis, Ind.
May 28—Polled Shorthorn Club of Minnesota, Slayton, Minn.; M. H. Bassett, Secy., Rushmore, Minn.

MILKING SHORTHORNS

Apr. 23—Lilydale Farm and Boswell Acres, Springfield, Mo.
Apr. 27—Breeders Sale, Council Bluffs, Iowa; H. C. McKelvie, Mgr.
May 7—Northwest Milking Shorthorn Classic, St. Paul, Minn.
May 7—Milking Shorthorn Heifer Classic, St. Paul, Minn.; R. E. Hodgson, Secy., Waseca, Minn.

DAIRY CATTLE

Apr. 20—Eastern Iowa Guernsey Sale, Wellman, Iowa; P. M. Swartzendruber, Mgr.
Apr. 29—Iowa State Guernsey Breeders, Des Moines, Iowa; C. H. Jennings, Mgr., R. 4, Iowa City, Iowa.
June 1—Breeders Sale (Ayrshires), Council Bluffs, Iowa; H. C. McKelvie, Mgr.
June 13—Campbell-Young, Jesup, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 16—Iowa State Sale, Waterloo, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

DUROC JERSEYS

Apr. 20—Juhl Bros., Luverne, Minn.

HORSES

Apr. 16—H. F. Klosterman, David City, Neb., Sale Mgr.; sale at Lincoln, Neb.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Livestock News

The "Jilt Jubilee" Angus sale, at Columbus Junction, Iowa, March 22, with top well-bred cattle from the herds of Twin Knolls Farm, Bar H. Farms, Nau Angus Farm and Goose Creek Farms, brought out a fine attendance of good cattle men from a wide territory. Those present were most complimentary regarding the quality of the cattle. The three herd bulls exhibited were Eileenmere 1023d, Bandolier of Anoka 46th and Erica Bandolier of Anoka 25th, and females mated to them were in strong demand. The top was Blackcap Bessie 2d of Ada, consigned by Henry Barthenhagen & Sons, and sold for $1,900 to Roy E. Weaver, Shullsburg, Wis. Jilt 8th of Goose Creek, a daughter of Eli Bandolier of Longview Farms, and from Goose Creek Farms, sold for $1,000 to John Waring of Marycrest Farm, Maloy, Iowa. Pride of Goose Creek, by Bandolier mere 4th, sold for $800 to Leonard Dieter & Son, Schleswig, Iowa. Bar H. Jean T. Lassie 2d, from Bar H. Farm, and by Eli Bandolier of Longview, sold for $775 to Elizabeth Eaton, Quincy, Ill. Summer Maid of Twin Knolls, from the F. D. Smylie & Son herd, a daughter of Eric Prince M. 4th, was purchased by Leslie Oliver, Williamsburg, Iowa, at $750. The top bull, Banter of Barwood, from Goose Creek Farm, sold for $1,000 to Earl J. Gode, Marengo, Iowa. The top five females averaged $1,095, with the top 10 at $874 and the top 20 at $693 each. The 60 females averaged $432.92 and the five bulls $487 each, and the 65 lots sold for $28,410, a general average of $437.08. Auctioneers, Johnston and Sims.

The Spotted Poland sale of Homer Wicks, Radcliffe, Iowa, March 11, was very successful. The top, Lot 6, sold for $220 to Harvey Larson, Elk Horn, Iowa. Lot 25 went to Leland Dellinger, Shell Rock, Iowa, at $200. The 34 head averaged $155, with 10 fall boars at $101 each.

Around the Farm AND IN THE *Feed Lot*

by E. A. KELLOWAY

IN UNDERTAKING the editing of this column, I recognize the challenge and the opportunity it provides. Every effort will be made to continue these paragraphs in an interesting and informative manner. We, at Walnut Grove, consider "Around The Farm And In The Feedlot" as a service to the livestock industry. We will endeavor to keep this service on the highest plane. We hope our readers will find these comments worth-while as well as interesting.

CLEAN GROUND and a lot of sunshine are two of the first essentials to successful hog production. Putting the sows and their pigs on clean, green pasture or meadow assures more exercise and more nutritious, green feed—as well as a plentiful supply of the "sunshine" vitamins. Iowa State College men suggest a plan employing three lots that can be rotated, with oats, rape and alfalfa or clover in the rotation.

THE CALENDAR for hog raisers also calls for several other reminders at this season of the year. Suggestions for the months of April and May include earmarking the better litters of pigs, full feeding the sows after farrowing time, creep feeding the pigs, castrating anywhere from a week to three or four weeks of age, vaccinating at four to six weeks, arranging adequate water and feed facilities on clean range, and seeing that Walnut Grove Minerals are at hand.

FARMERS WHO FARM ON THE CONTOUR can expect good returns through higher crop yields and by saving soil. George Browning, USDA soil conservationist at Iowa State College, says tests last year showed corn planted on the contour yielded 7½ bushels more per acre than corn planted up and down hills. Figuring corn at a dollar per bushel, that would mean a very sizable increased return on every acre, and on every farm in every community where contouring is done.

STARTING THOSE SPRING PIGS off right is a very important matter, because they represent your yearling income in the hog business. It's surprising how quick those pigs will take to a good mineral like Walnut Grove. Use a "creep," and this should be built for the pigs while they are nursing the sows. This method will help a lot in keeping them in thrifty, growing condition. Among our many customers in Henry county, who feed Walnut Grove in all of their feeding plans, are Chris Hertig, Chas. Rich, Ira Miller, William Bruggemeyer, Dale Swensen, Ray King and Raymond Long. This business is handled for us by our representative in that territory, Joe Schmidt, of Winfield.

IN WASHINGTON COUNTY, Iowa, a group of 36 farm women are now making reports to their own and neighboring clubs and organizations about a trip they recently made thru Iowa, Missouri, Kentucky, Indiana and Illinois. Purpose of the tour was to learn more about family living conditions, study agricultural and industrial development and to see points of historic interest, such as Lincoln's tomb, Mark Twain's birthplace and the Blue Grass country horse farms.

THE QUALITY OF WALNUT GROVE Minerals for livestock has been one of its outstanding features over the thirty years of its manufacture. The policy of the men back of this company who manufacture Walnut Grove will always continue to be the same. You can be assured the quality of Walnut Grove will be maintained. Farmers of Scott county, Iowa, among many others who believe in this quality and use Walnut Grove in their feeding operations, include Edward Spies, Beverly Farber, Waldo Jones, Clarence Claussen, Roland Oetzman, Alvin Smith and Beryl Lobdell. Our long-time representative in this territory, George Hirl, of Davenport, handles this business for us.

RURAL SCHOOL PUPILS in a one-room school near Oconto, Wisconsin, apparently have quite a sense of humor—or obedience. The whole gang trooped into the school during recess time recently and told their teacher they wanted a fire drill. Puzzled, the teacher asked why they wanted the drill right then and there. "Because," the youngsters chorused, "the school's on fire." It was, too, so the youngsters' demand may have helped save the teacher from harm.

LOOKS LIKE RECORD EXPORTS will be sent from the United States this year. Indication of how great the volume is can be seen in the predicted wheat exports of more than 500 million bushels. The shipments should help Europe rebuild its war-shattered economy and its food stockpiles and at the same time should help keep down this nation's surpluses, thus help stabilize American grain prices.

IT IS NOW a well-established fact that all livestock will do better on balanced feeds than where they have free access to what they want to eat. This will be especially true with the spring pigs that will make your hogs fit for the year. It's a good plan to balance your feeds with as much home-grown feed as possible. Then supply a little protein and a little mineral. Walnut Grove is a mighty good mineral to use in balancing these rations. Some of the men in Cerro Gordo county, who use Walnut Grove in balancing their hog feeds, include Walter Busse, John Alberts, Henry Boekelman, August Sprung, Mrs. Ima Dresbach, Everett Rosenau and G. E. Punke. These men are serviced in that territory by our representative, Dowia Pals, of Swaledale.

RANGE SHELTERS are essential to increasing poultry profits. Range shelters are easy to build and the cost is low. The range plan helps assure clean ground for the flock, and greatly helps avert overcrowding and smothering. Separation of pullets and cockerels at 10 or 12 weeks is also more likely to be done if a range shelter is provided. Greater comfort for birds in hot weather helps assure earlier maturity of the cockerels and early production by the pullets.

"SEE YOUR DENTIST TWICE A YEAR" is a slogan that can be applied indirectly to cows as well as to humans. Dr. L. M. Hurt, president of the American Veterinary Association, says that if a cow's teeth bother her she can't chew her feed and cud right, hence loses part of the feed value. This means waste of feed and loss of milk, so if there's any suspicion of bad teeth among your cows, it will be well to have a vet check "Bossy."

LOTS OF UNUSUAL THINGS happen on midwestern farms, but one of the oddest of any we've noted in recent weeks took place on the Floyd Nielsen farm in Pocahontas county, Iowa. One of Nielsen's hens "adopted" an entire litter of eight squealing, hungry pigs, and what a time she has had trying to hover over them and to feed them. She clucks loud and long when she scratches feed for them—and eight hungry pigs call for lots of scratching. Moreover, as the pigs grew, the "little red hen" went darn near crazy trying to spread her feathers out wide enough to keep all the young porkers "under her wings."

Walnut Grove Minerals

FOR PROFITABLE GAINS WITH HOME GROWN GRAINS

SOLD ONLY BY *DEPENDABLE REPRESENTATIVES*

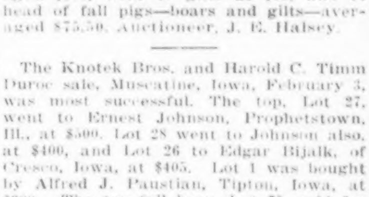
★ HOME OFFICE ATLANTIC, IOWA

Livestock News

The Eastern Iowa Angus Breeders Association held their Beefland sale the night of March 21, at Davenport, Iowa. Queenmere 441st, a May, 1947, bull from the Otto V. Battles herd at Maquoketa, Iowa, sold for the high price in the bull division, $1,325, to Endsley & Runnells, West Branch, Iowa. Dr. C. E. Block, Davenport, Iowa, paid $1,400 for Irene of Rosemere 63d carrying the service of Prince Sunbeam 300th, from the Battles herd. Henry Eiler, Tipton, Iowa, paid $625 for the coming two-year-old heifer from the Harold E. Eiler herd, of Tipton, Iowa. Raymond Kile, West Liberty, Iowa, gave $525 for the yearling daughter of Envious Blackcap B., consigned by W. J. Walshire, Mechanicsville, Iowa. The 10 bulls sold for an average of $530, with the 43 females averaging $335, making a general average of $373 on the 53 lots. Oliver A. Hansen, sale manager, of Durant, Iowa, deserves much credit for assembling this fine lot of useful cattle. Most of the cattle sold to Iowa buyers. Ray Sims was the auctioneer.

The Chester White sale of Nick Terpstra & Sons, New Sharon, Iowa, March 30, brought a large attendance of breeders. The top boar was Lot 5, selling for $225 to Paul Cripe & Sons, Amenia, N. D. Lot 6 sold for $155 to Inez Siegfried, Carthage, Ill. Lot 41 went for $135 to John Sims, Knoxville, Iowa. Lot 12 sold for $130 to E. J. Sims, Burlington, Iowa. The top gilt, Lot 37, sold for $80 to Paul Cripe & Sons. The gilts could have brought more money. The 26 boars averaged $106, with 48 gilts at $65, and 74 head of fall pigs—boars and gilts—averaged $75.50. Auctioneer, J. E. Halsey.

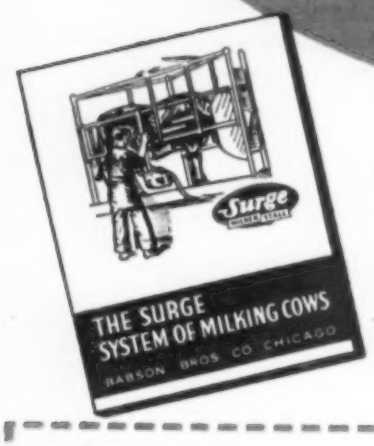
The Knotek Bros. and Harold C. Timm Duroc sale, Muscatine, Iowa, February 3, was most successful. The top, Lot 27, went to Ernest Johnson, Prophetstown, Ill., at $500. Lot 28 went to Johnson also, at $400, and Lot 26 to Edgar Bijalk, of Cresco, Iowa, at $405. Lot 1 was bought by Alfred J. Paustian, Tipton, Iowa, at $300. The top fall boar, Lot 75, sold for $150 to Oscar Baldwin, Akron, Iowa. The 50 bred sows averaged $207.25.



● Excellent educational and descriptive material on these subjects is offered to you by advertisers in this issue. Write direct to the manufacturers whose advertisements appear on these pages for your copy of this information.

	Page
DAIRY EQUIPMENT AND SUPPLIES:	
Home Pasteurizer Information	48
Milk Cooler Folder	32
Milking System Booklet	72
Miscellaneous Milking Machines Information	14
FARM BUILDINGS AND IMPROVEMENTS:	
Building Protection Information	64
Corn Storage Building Information	18-59-65-61
Crib Plans	65
Farm Buildings Literature	56-61
Feed Mixer Catalog	63
Grain Bin Information	63
Shingle Estimates	41
Stalk Cutter Literature	65
Water System Information	39-61-63
FARM MACHINERY AND SUPPLIES:	
Chain Saw Information	60
Combine Unloading Auger Information	41
Cultivator Attachment Information	61
Disc Plow Information	42-60-64
Feeder Information	57
Fertilizer Attachment Information	64
Forage Harvester Booklet	43
Forage and Grain Blower Literature	40-64
Forage Wagon and Unloader Blueprints	64
Grain Elevator Literature	59-65
Hoist Information	60
Husking Rolls Information	57
Hydraulic Loader Folder	64
Hydraulic Pump Information	41
Loader Folder	57
Portable Welder Information	65
Posthole Digger Literature	59-63
Power Mower Booklet	65
Rotary Hoe Circular	60
Rotary Scraper Information	59
Sheep Shearer Bulletin	43
Sprayer Information	32-35-36-59-61-63-65
Straw Spreader Information	58
Tractor Information	65
Tractor Shade Information	62
Tractor Transmission Information	39
Unloading Wagon Box Information	27
Wagon Dumper Folder	43
Weed Killer Information	34-42-58
FEEDING AND LIVESTOCK REMEDIES:	
Calf Feeding Information	39
Feed Booster Information	12
Hog Cholera Vaccine Booklet	57
Livestock and Poultry Remedies Information	65
Poultry Remedy Information	53
Roundworm Treatment Information	3
HOMEMAKING:	
Coffee-Making Booklet	45
Electrical Appliance Literature	57
Two-Bedroom Home Information	60
NURSERY AND SEEDS:	
Grass Booklet	63
Hybrid Corn Information	11
MISCELLANEOUS:	
Field Tile Opener Information	63
Hail Insurance Information	63
Hearing Literature	56
Patent Information	41
Soil Conservation Information	28
Travel Tours Folder	52

THIS is the way Cows are Going to be Milked on *YOUR* Farm *SOME DAY!*



THIS Book will explain WHY...

This system of milking cows is so very right that its use is spreading rapidly...1949 may not be the year that it will come to your farm but now is an excellent time for you to get all the facts... now is a good time to tell us to mail you the story of the Surge System of Milking Cows.

We are doing our level best—materials are still short, but we are now able to take care of a few more farmers every day.

BABSON BROS. CO.
2843 West Nineteenth St., Chicago 23, Ill.

BABSON BROS. CO.
2843 W. 19th St., Chicago 23, Ill. Dept. 2944

Gentlemen: Please send me your Free Book describing the Surge System of milking cows.

Name _____

Address _____

State _____

I MILK _____ COWS
(number)

Copyright 1948 by Babson Bros. Co.

SYRACUSE • HOUSTON • LOS ANGELES • KANSAS CITY
TORONTO • ATLANTA • SEATTLE • MINNEAPOLIS

DETROIT PUBLIC LIBRARY